

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

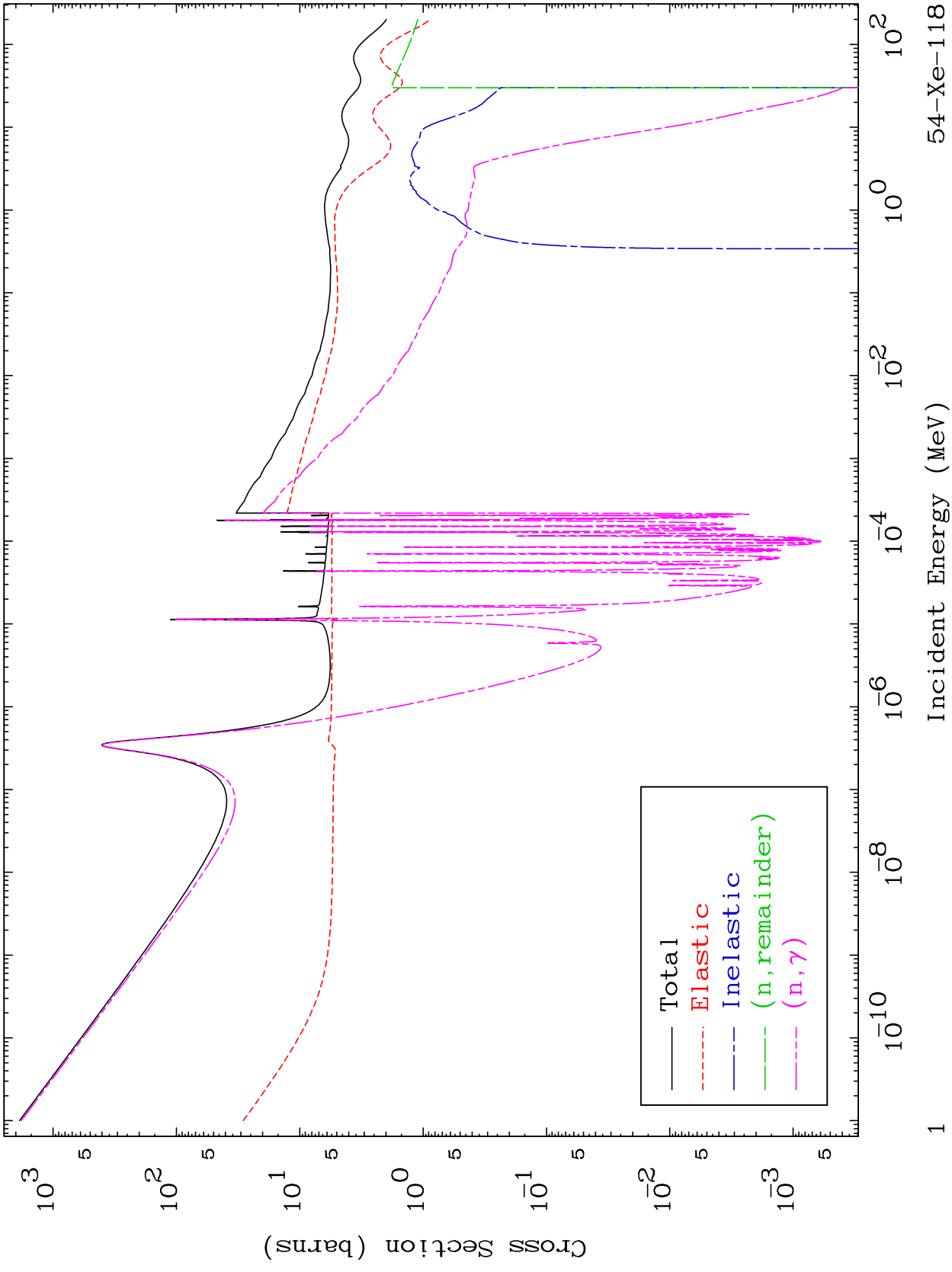
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5407

Major
293 Kelvin Cross Sections

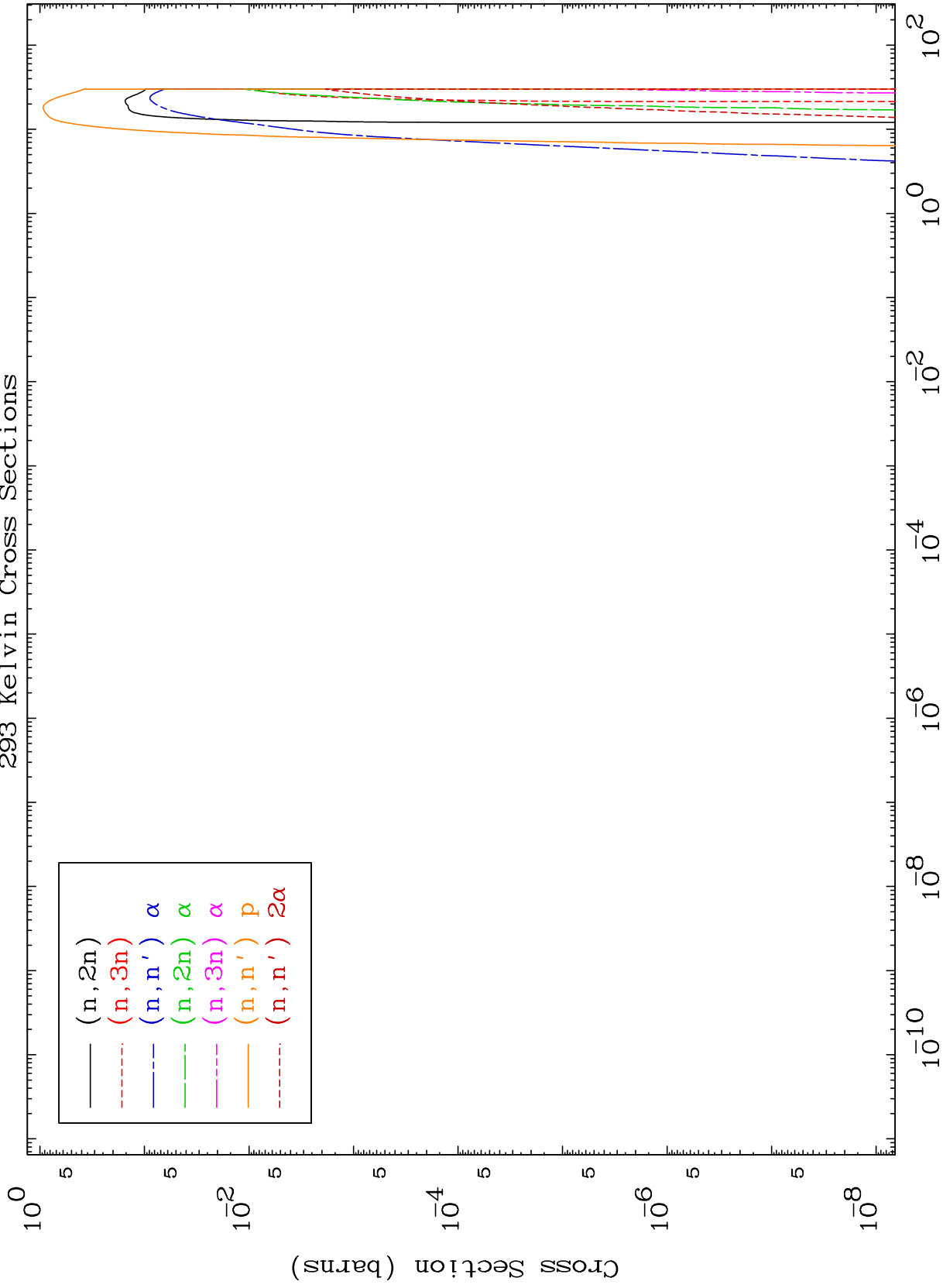
54-Xe-118



MAT 5407

Neutron Production
293 Kelvin Cross Sections

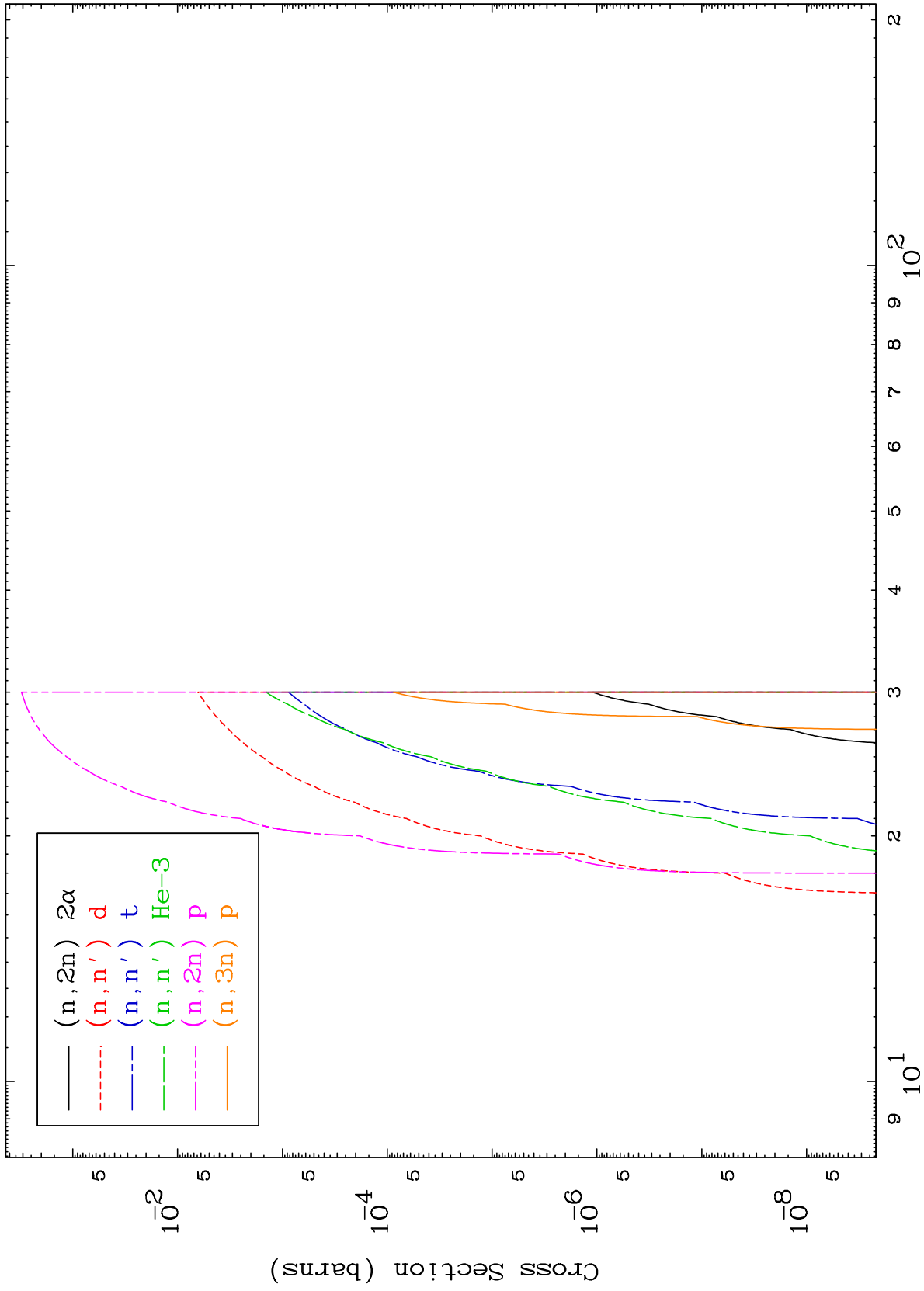
54-Xe-118



2

Incident Energy (MeV)

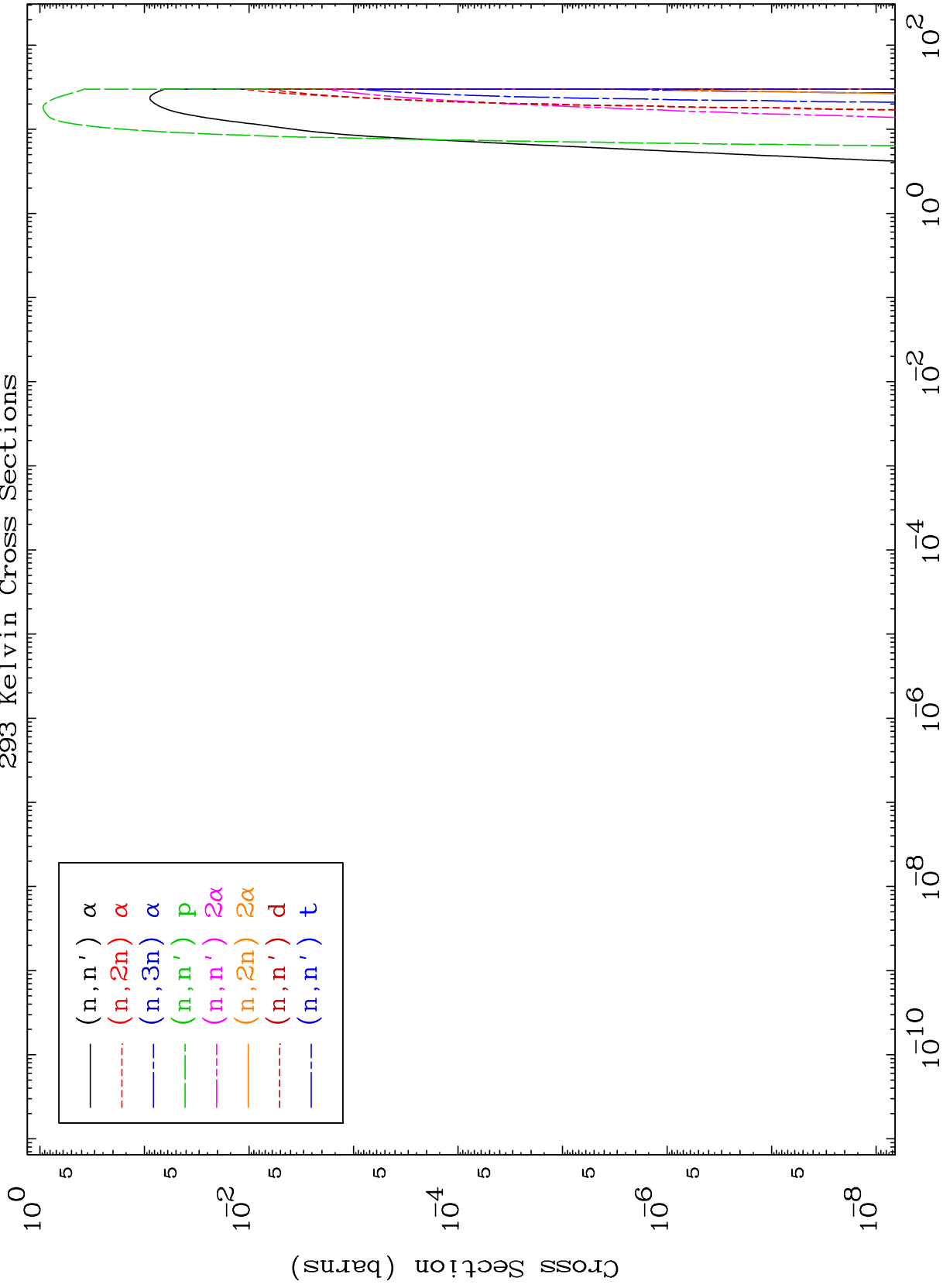
54-Xe-118



MAT 5407

293 Charged Particle
Kelvin Cross Sections

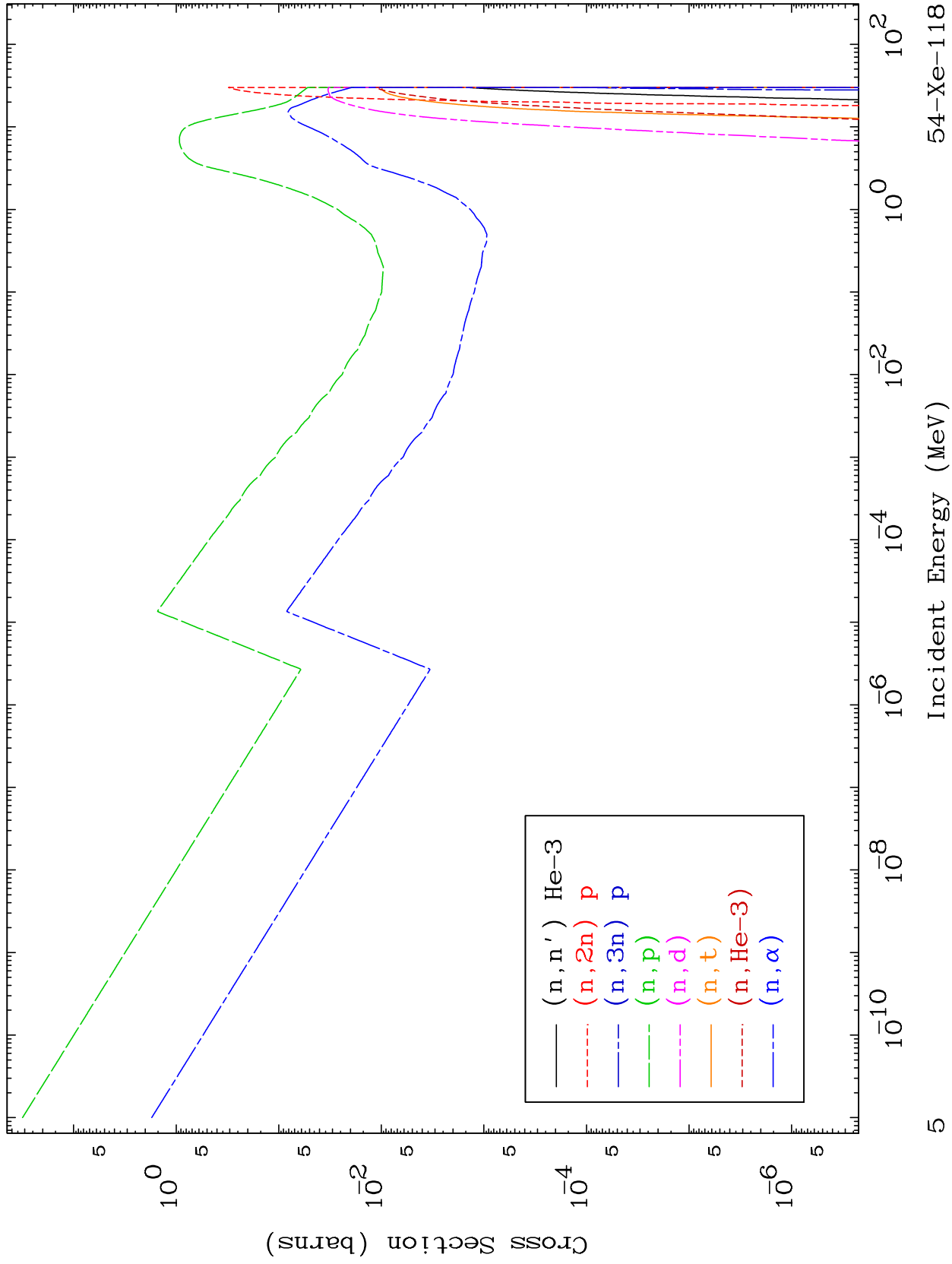
54-Xe-118



MAT 5407

Charged Particle
293 Kelvin Cross Sections

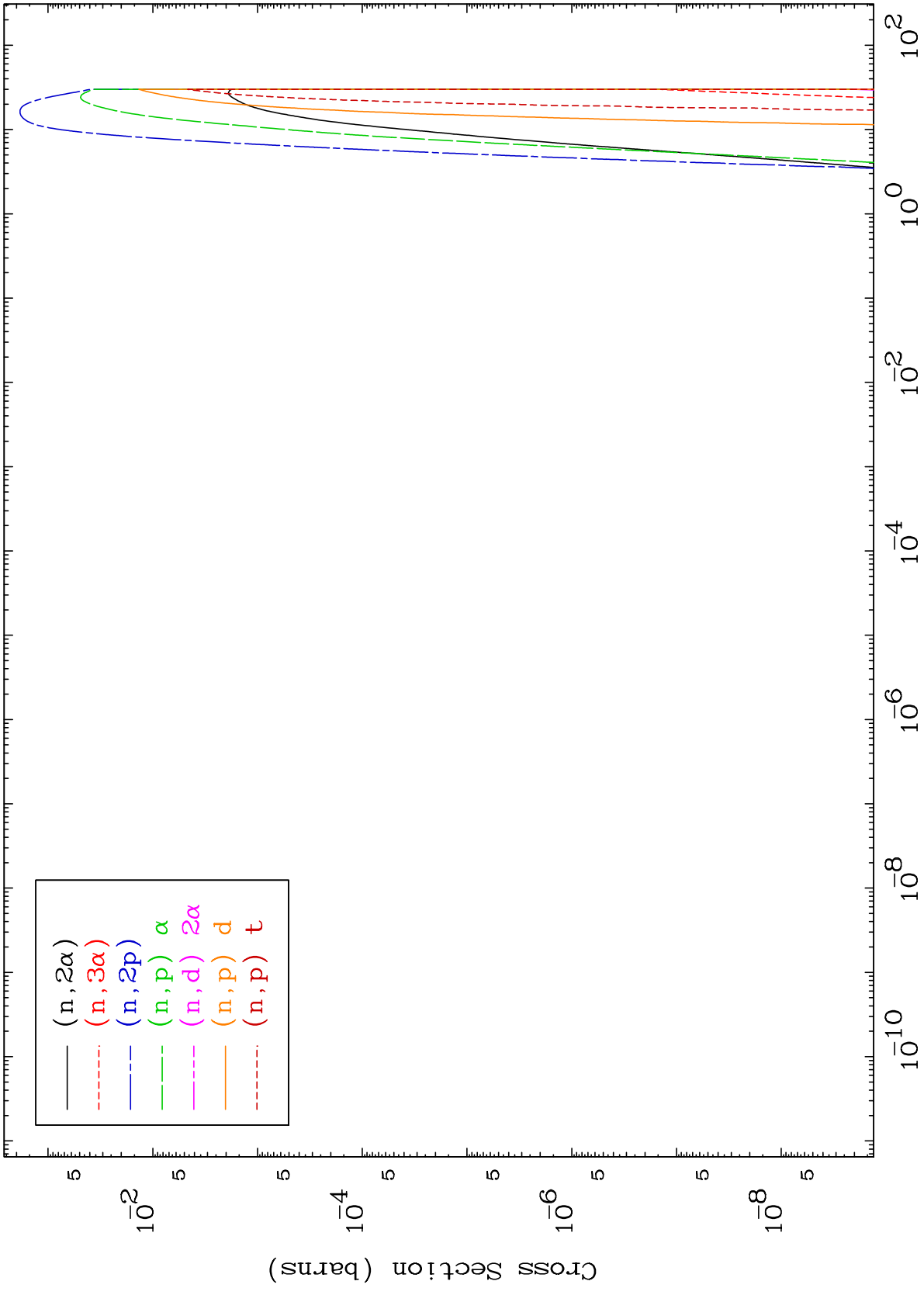
54-Xe-118



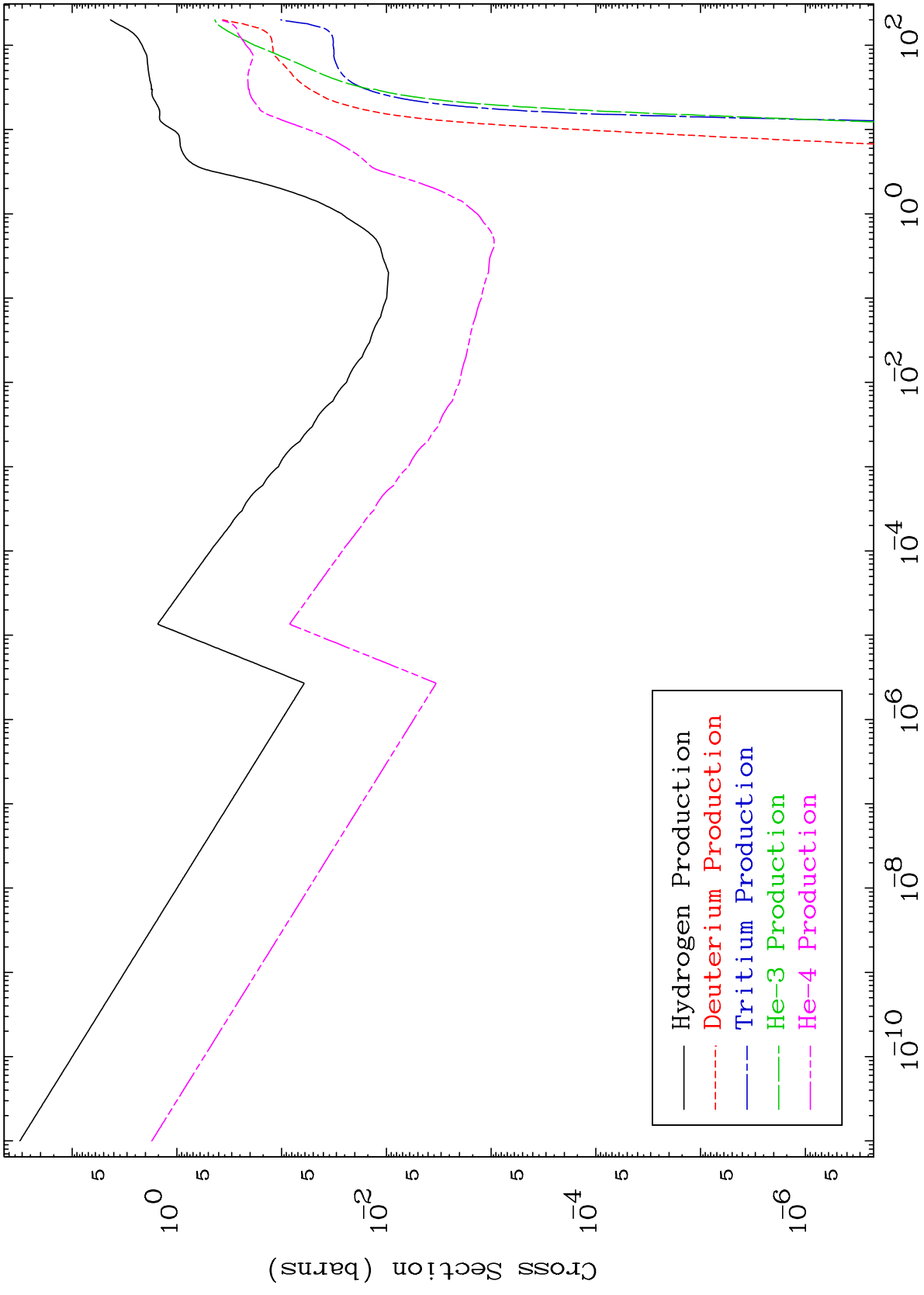
MAT 5407

Charged Particle
293 Kelvin Cross Sections

54-Xe-118



54-Xe-118

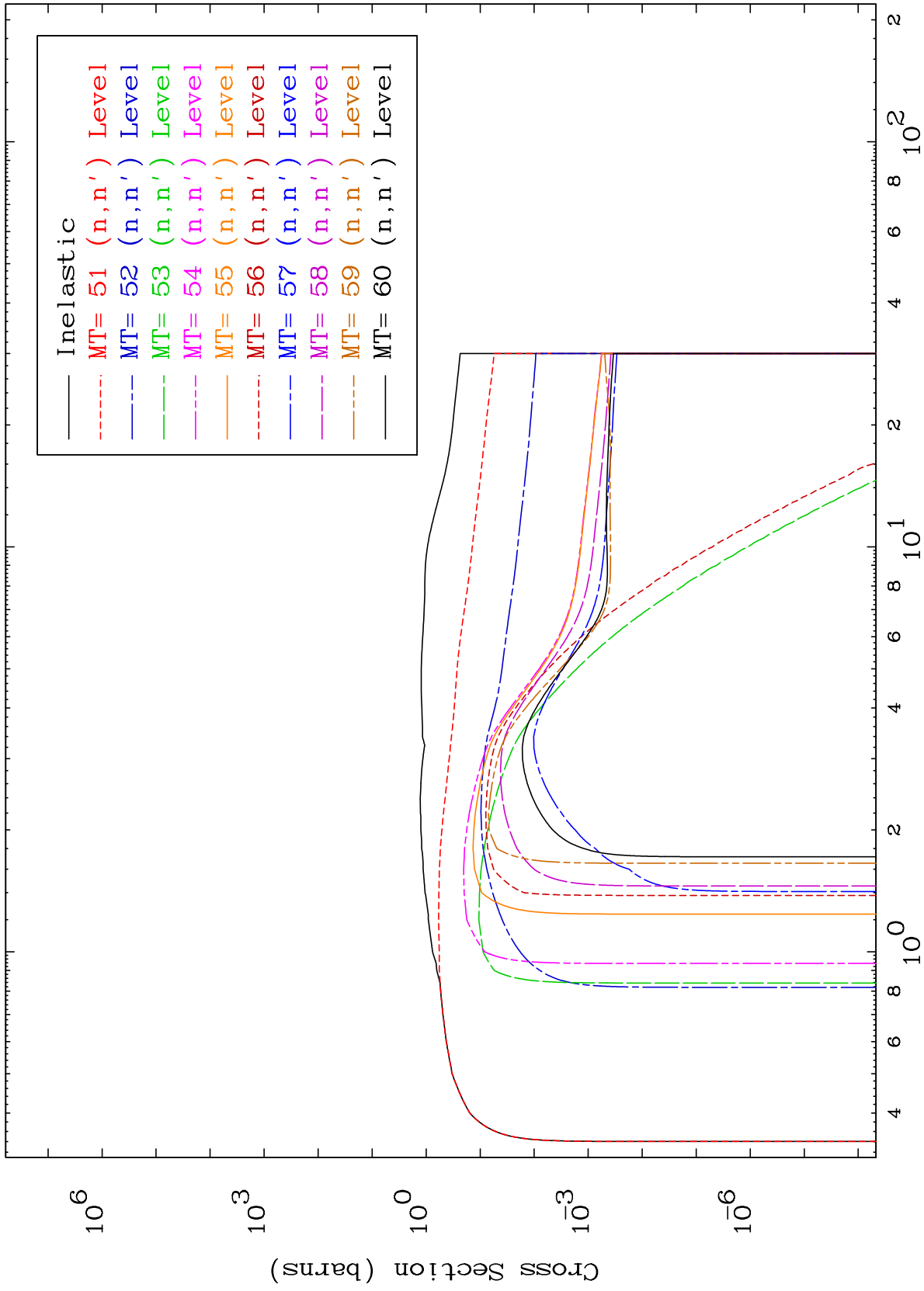


MAT 5407

(n,n') Level

54-Xe-118

293 Kelvin Cross Sections



8

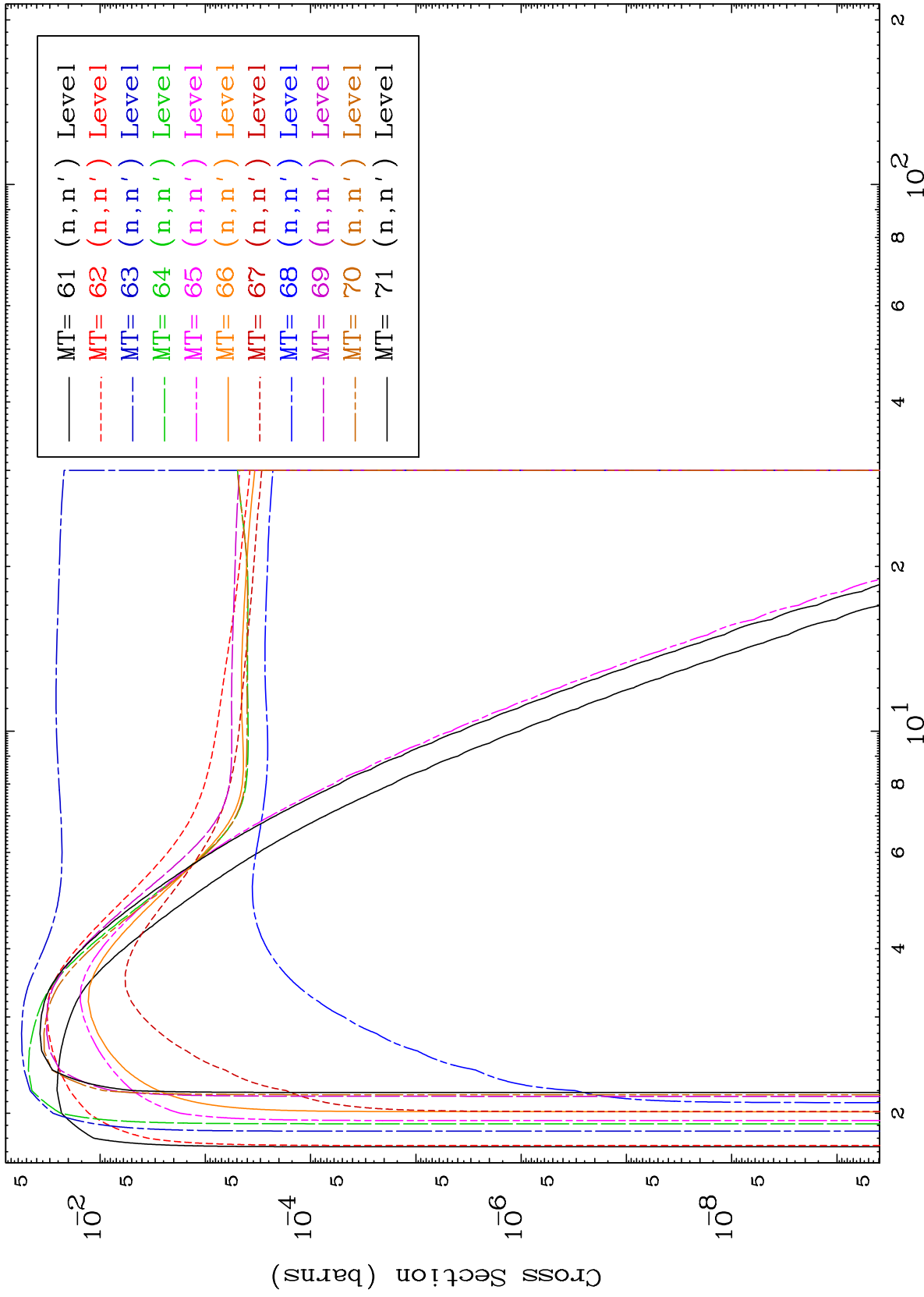
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,n') Level
293 Kelvin Cross Sections

54-Xe-118



9

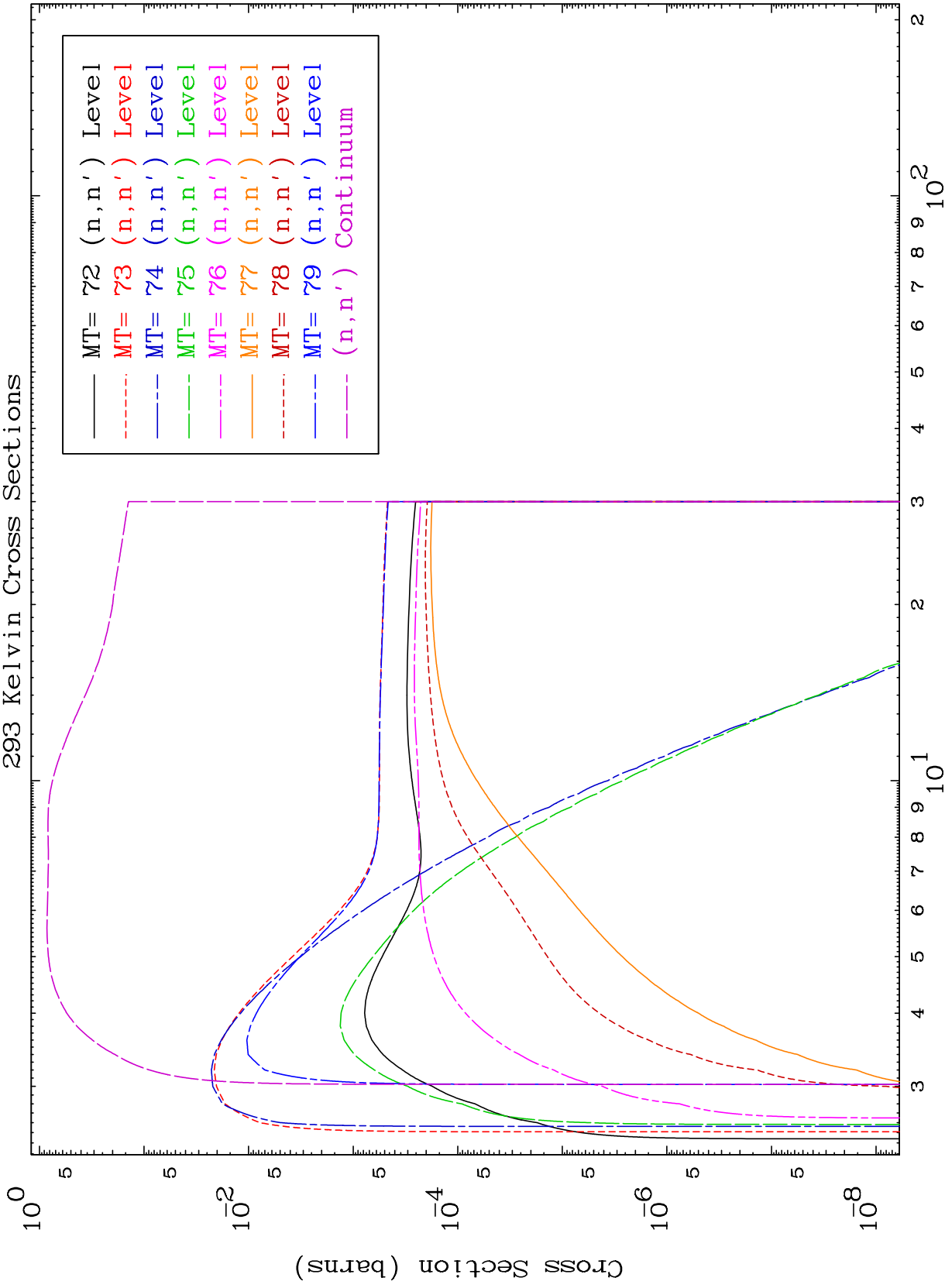
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,n') Level
293 Kelvin Cross Sections

54-Xe-118



10

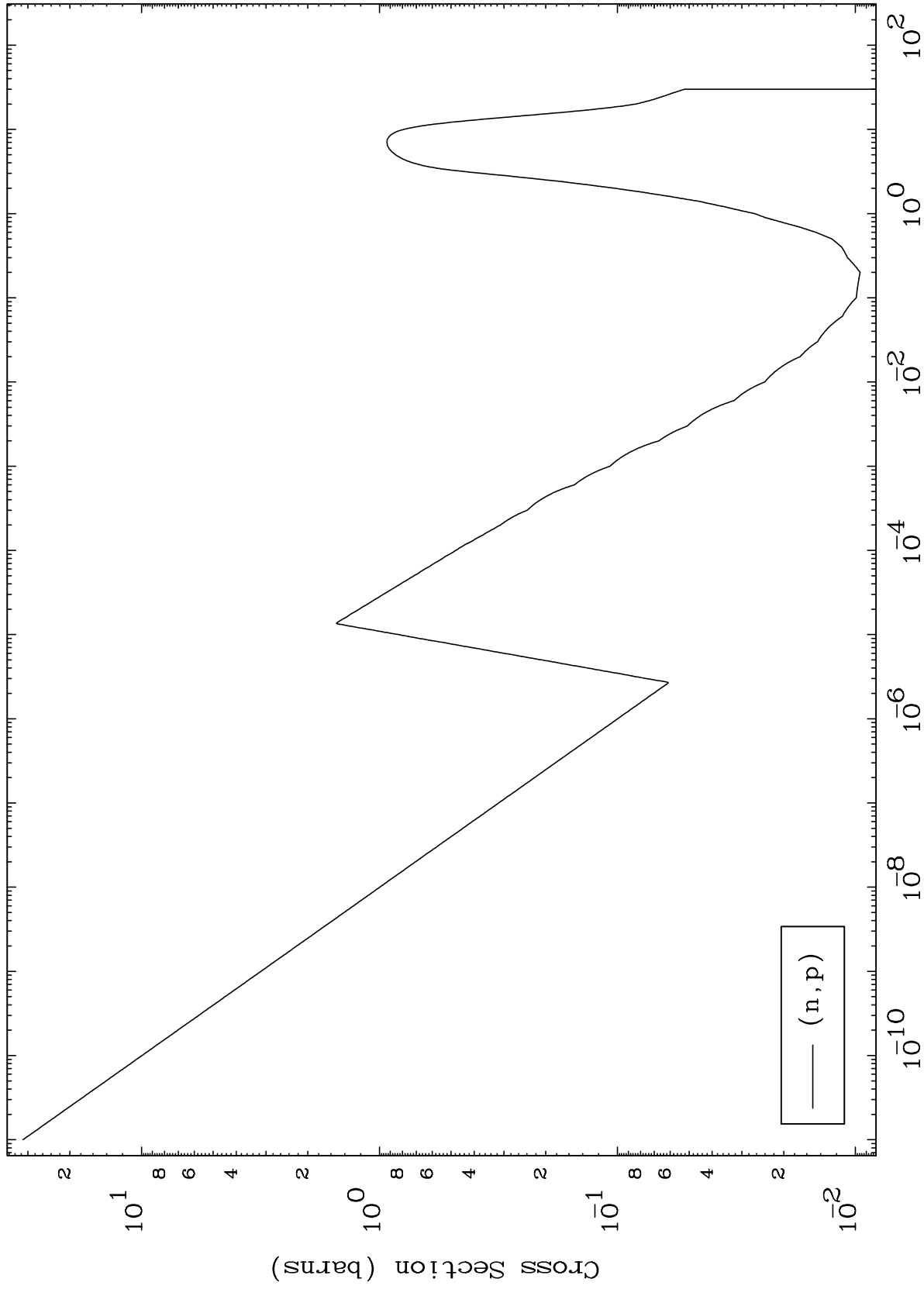
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-118



11

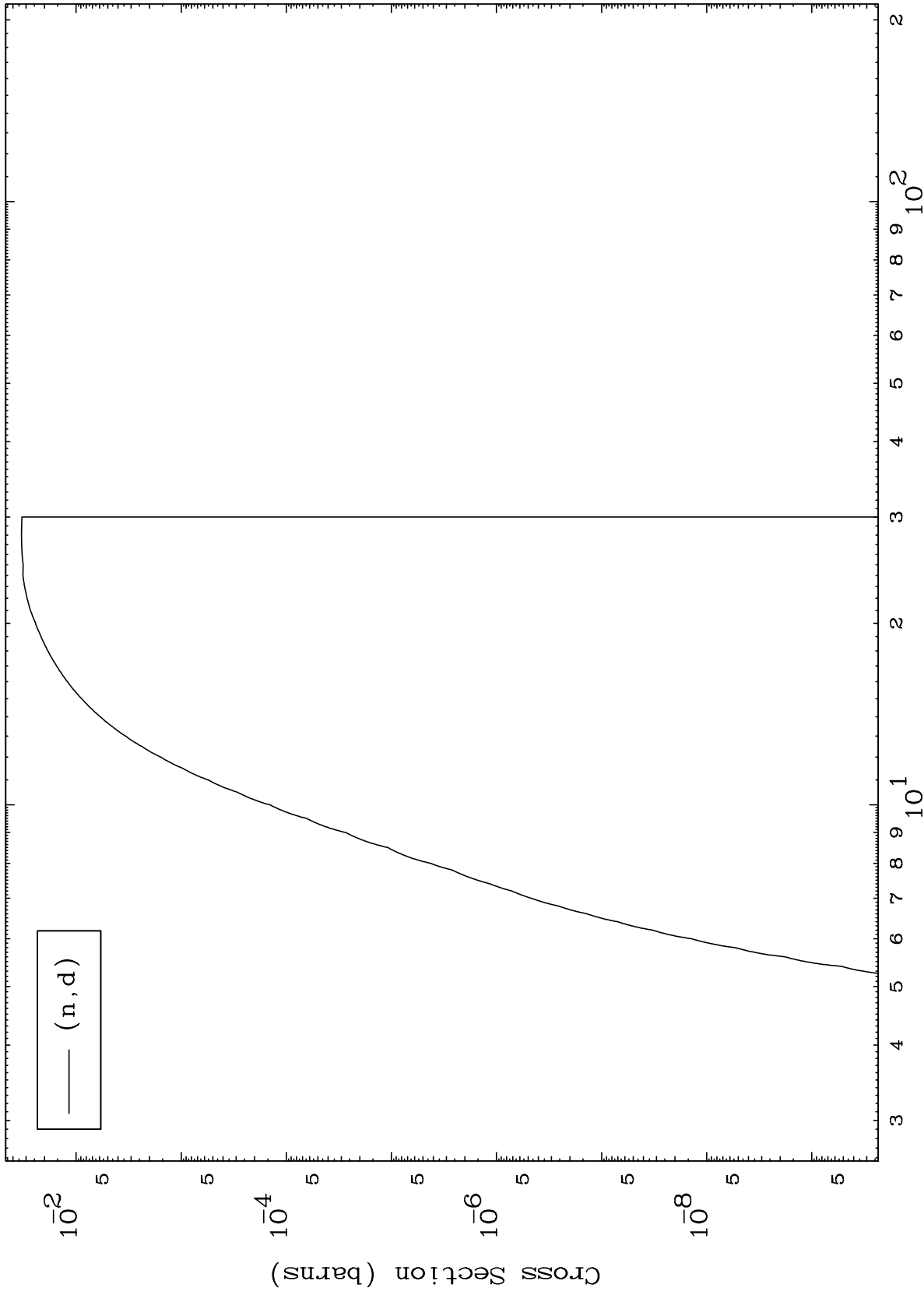
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-118



12

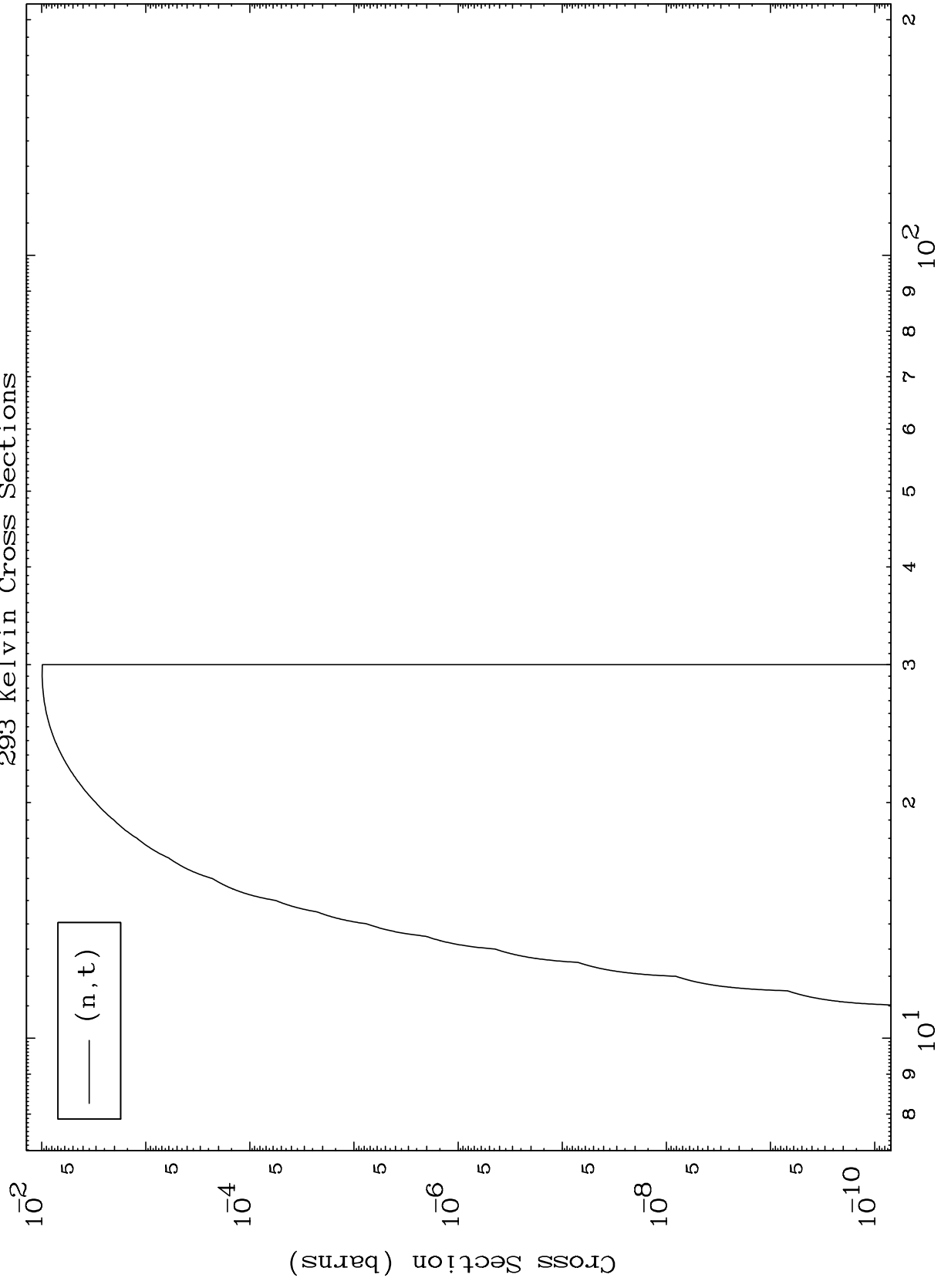
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-118



13

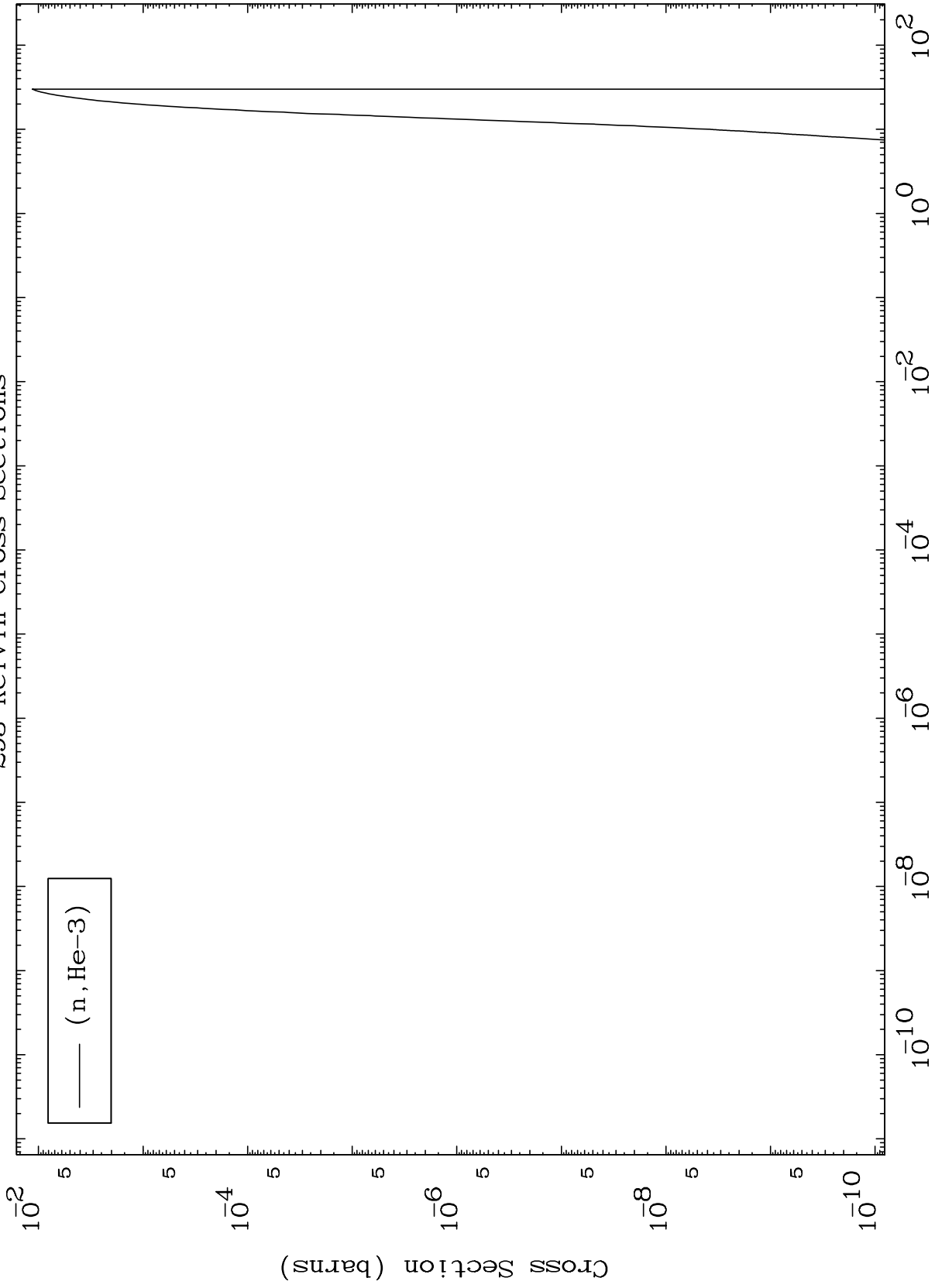
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-118



14

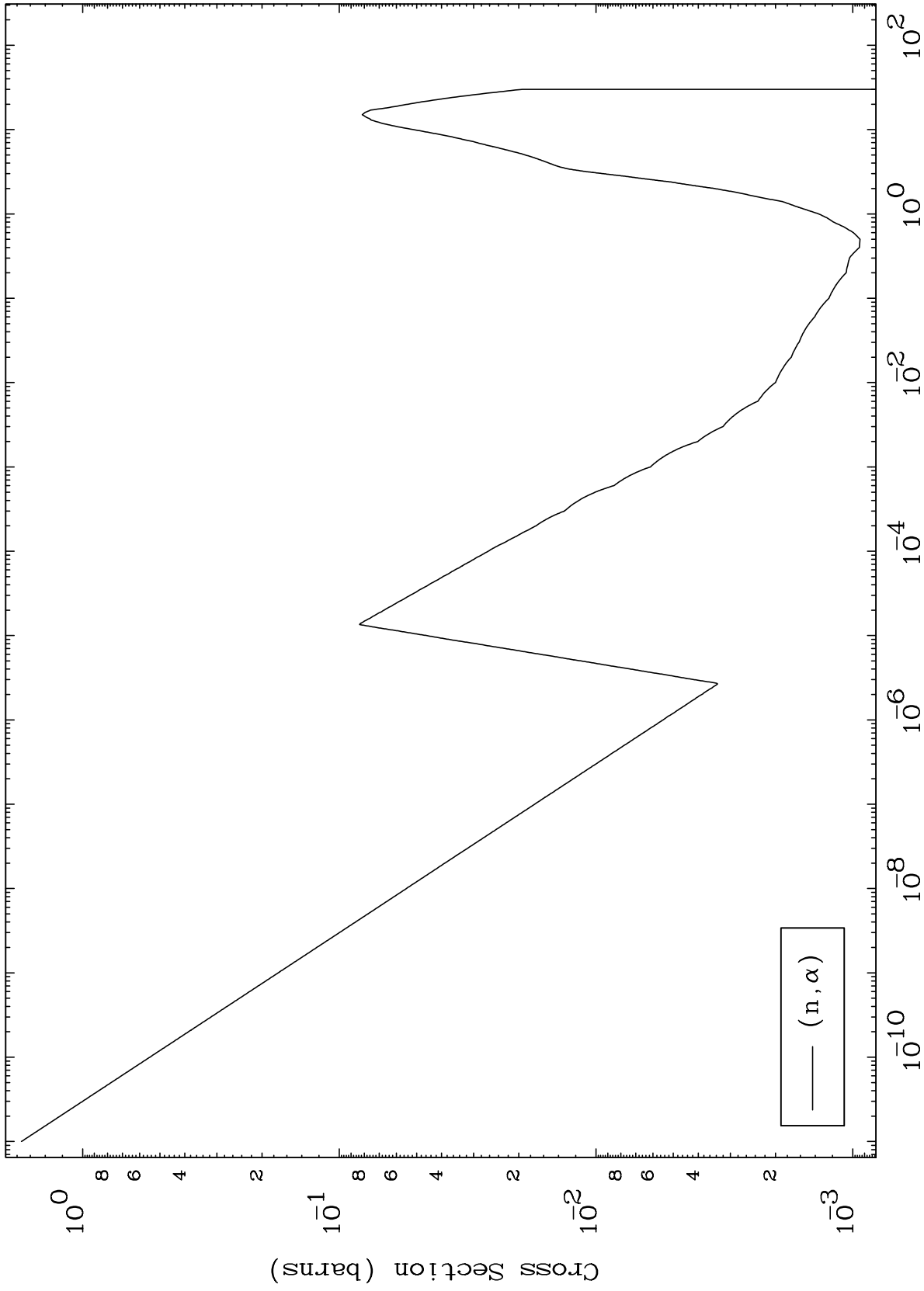
Incident Energy (MeV)

54-Xe-118

MAT 5407

(n,α) Levels
293 Kelvin Cross Sections

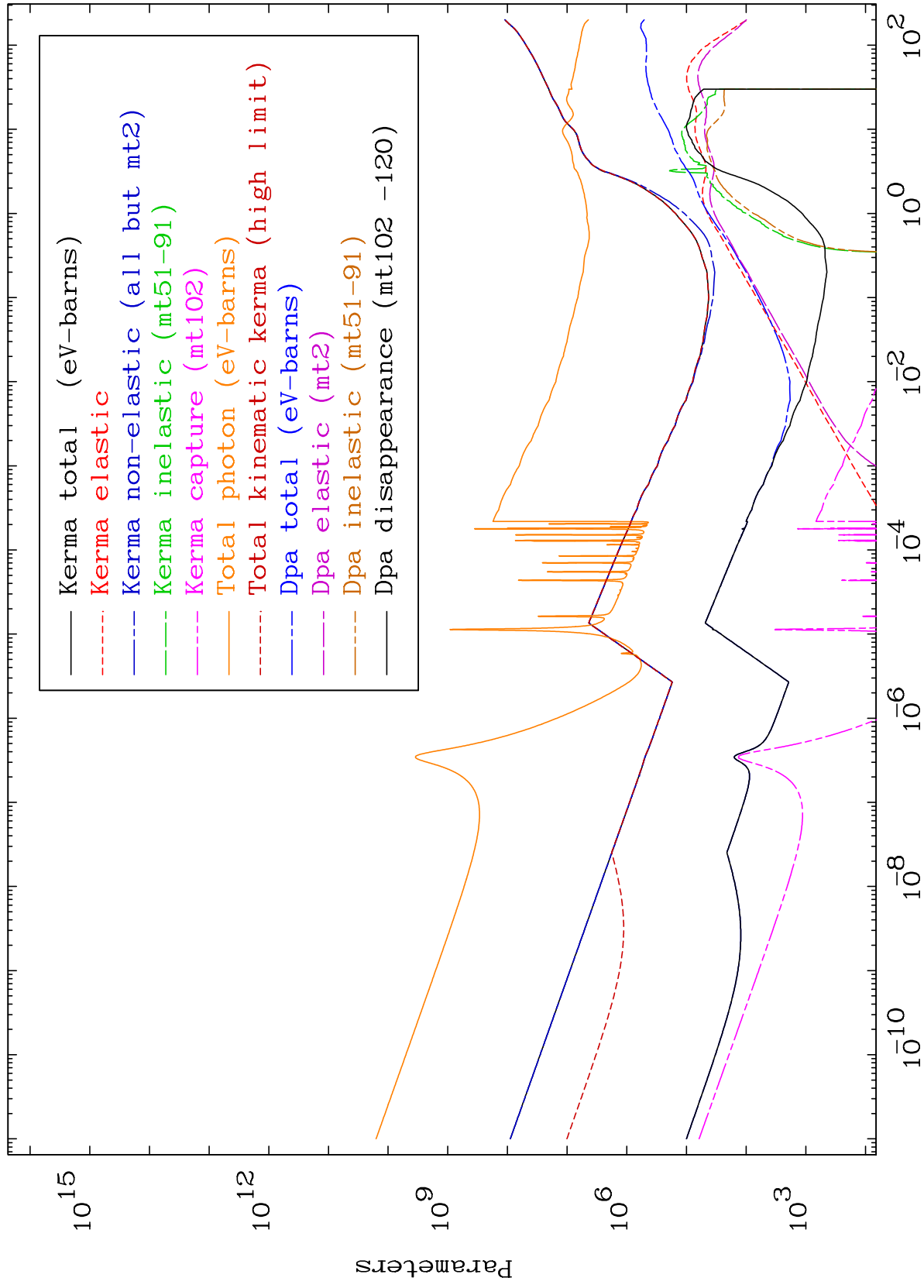
54-Xe-118



15

Incident Energy (MeV)

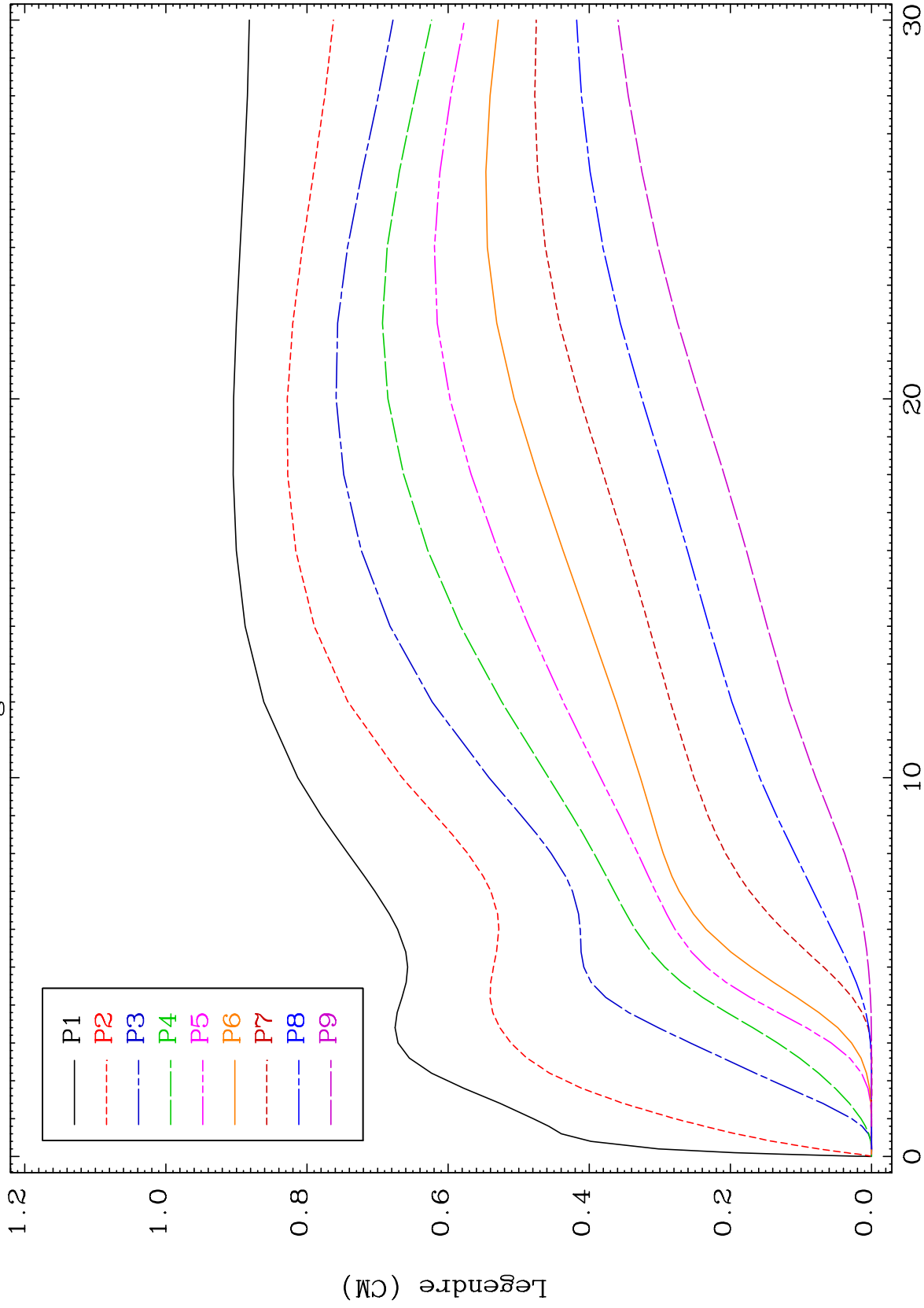
54-Xe-118



MAT 5407

Elastic Legendre Coefficients

54-Xe-118



17

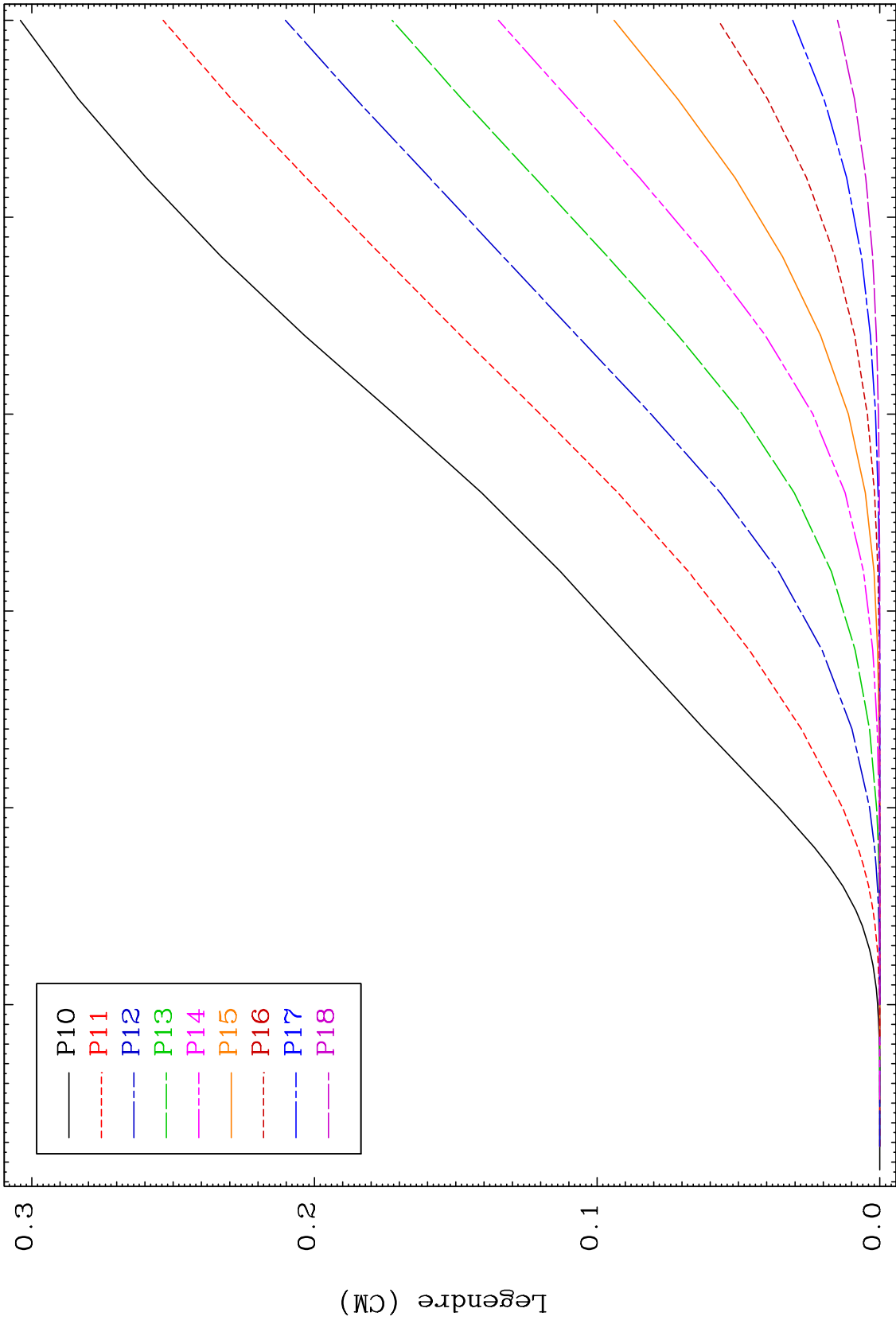
Incident Energy (MeV)

54-Xe-118

MAT 5407

Elastic Legendre Coefficients

54-Xe-118



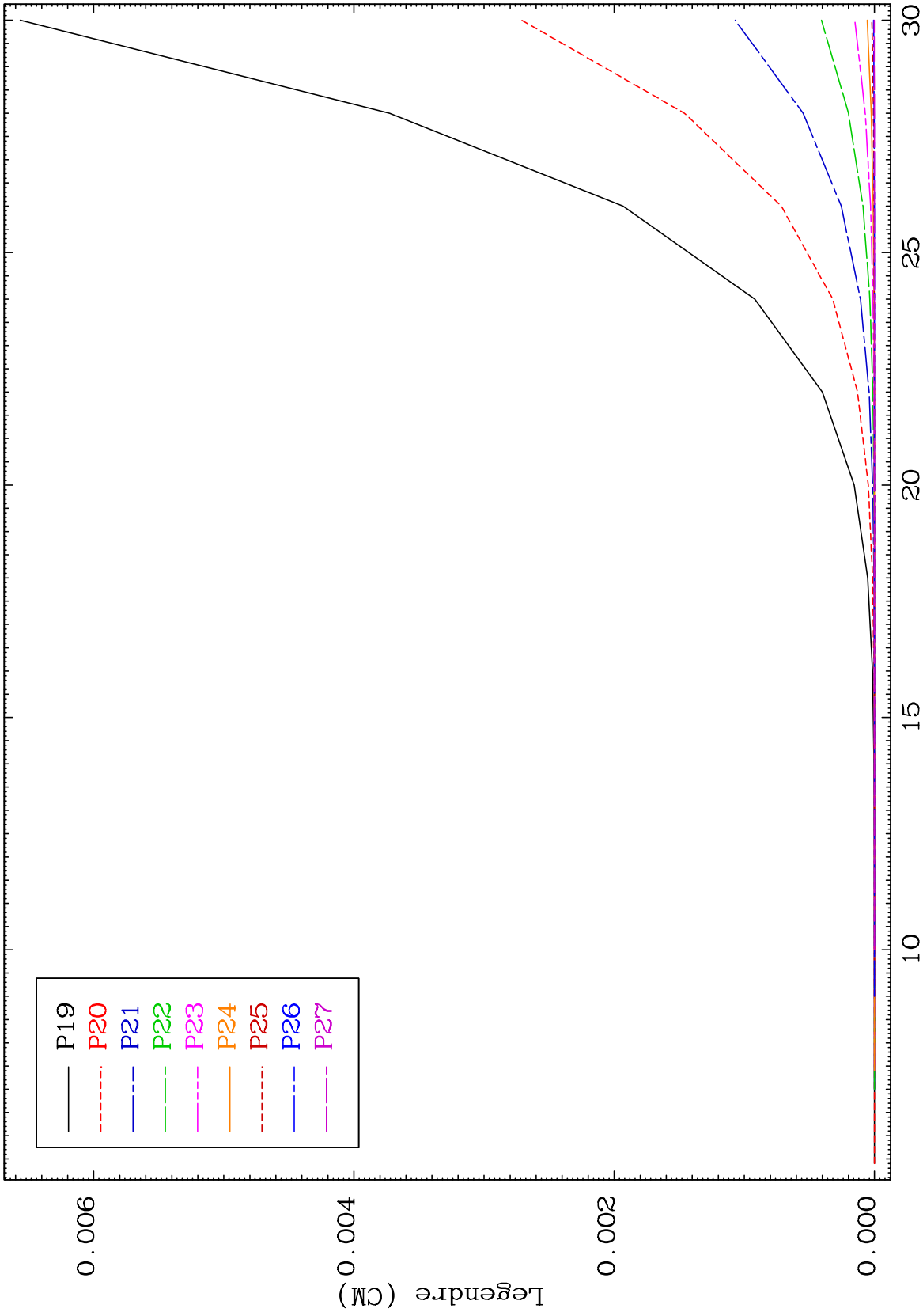
18

54-Xe-118

MAT 5407

Elastic Legendre Coefficients

54-Xe-118



19

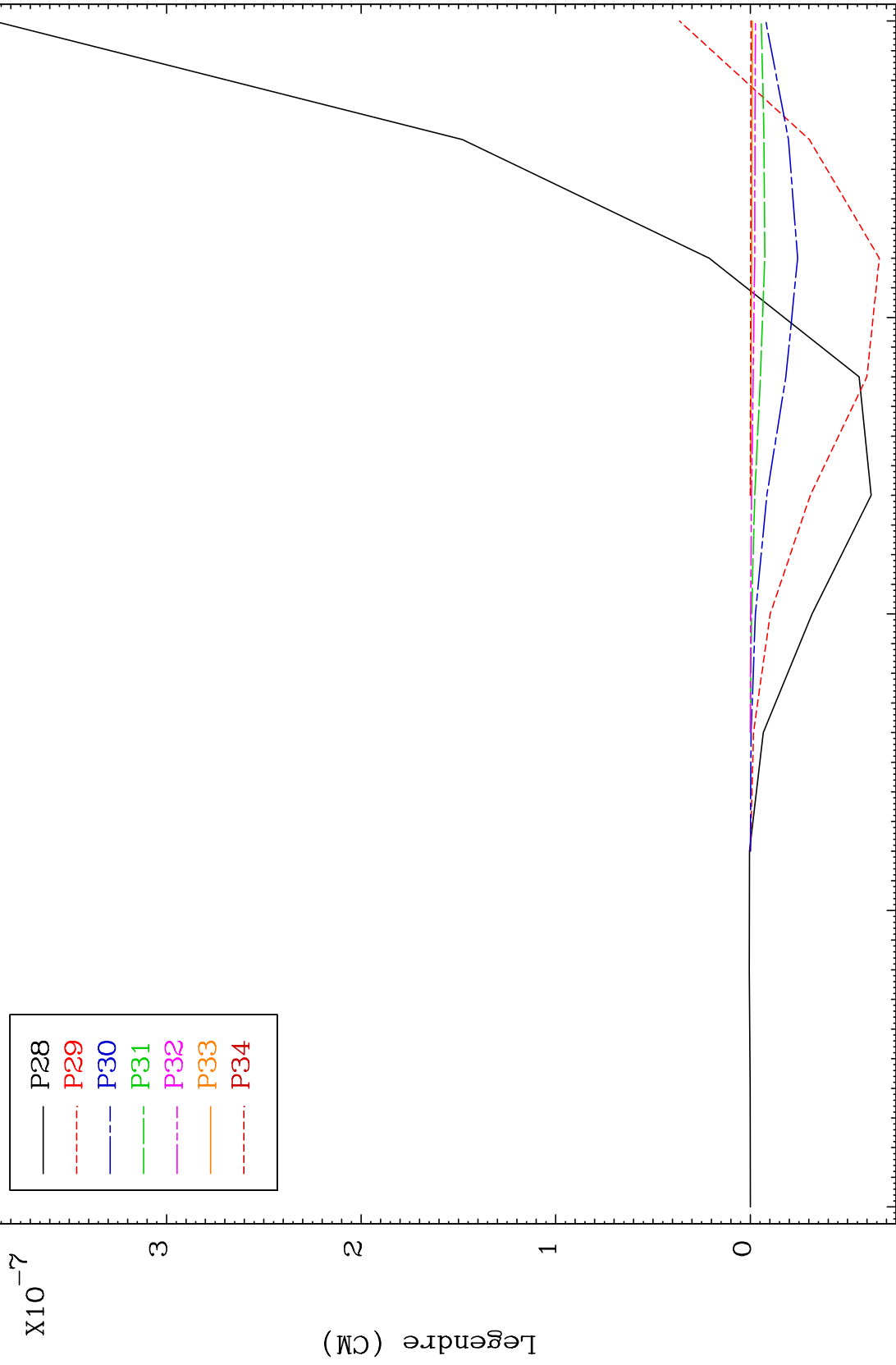
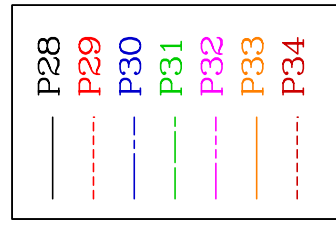
Incident Energy (MeV)

54-Xe-118

MAT 5407

Elastic Legendre Coefficients

54-Xe-118



20

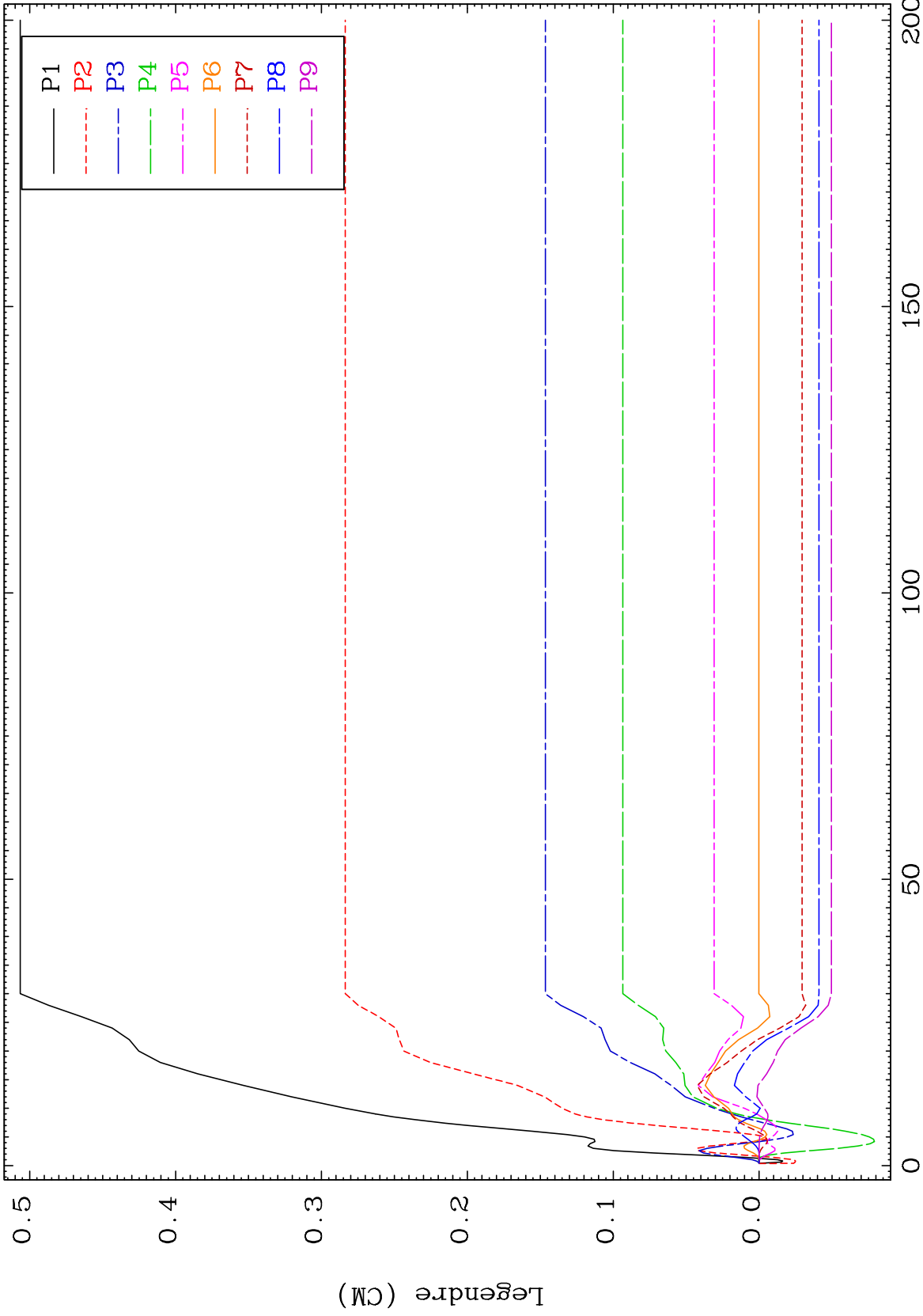
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-118



21

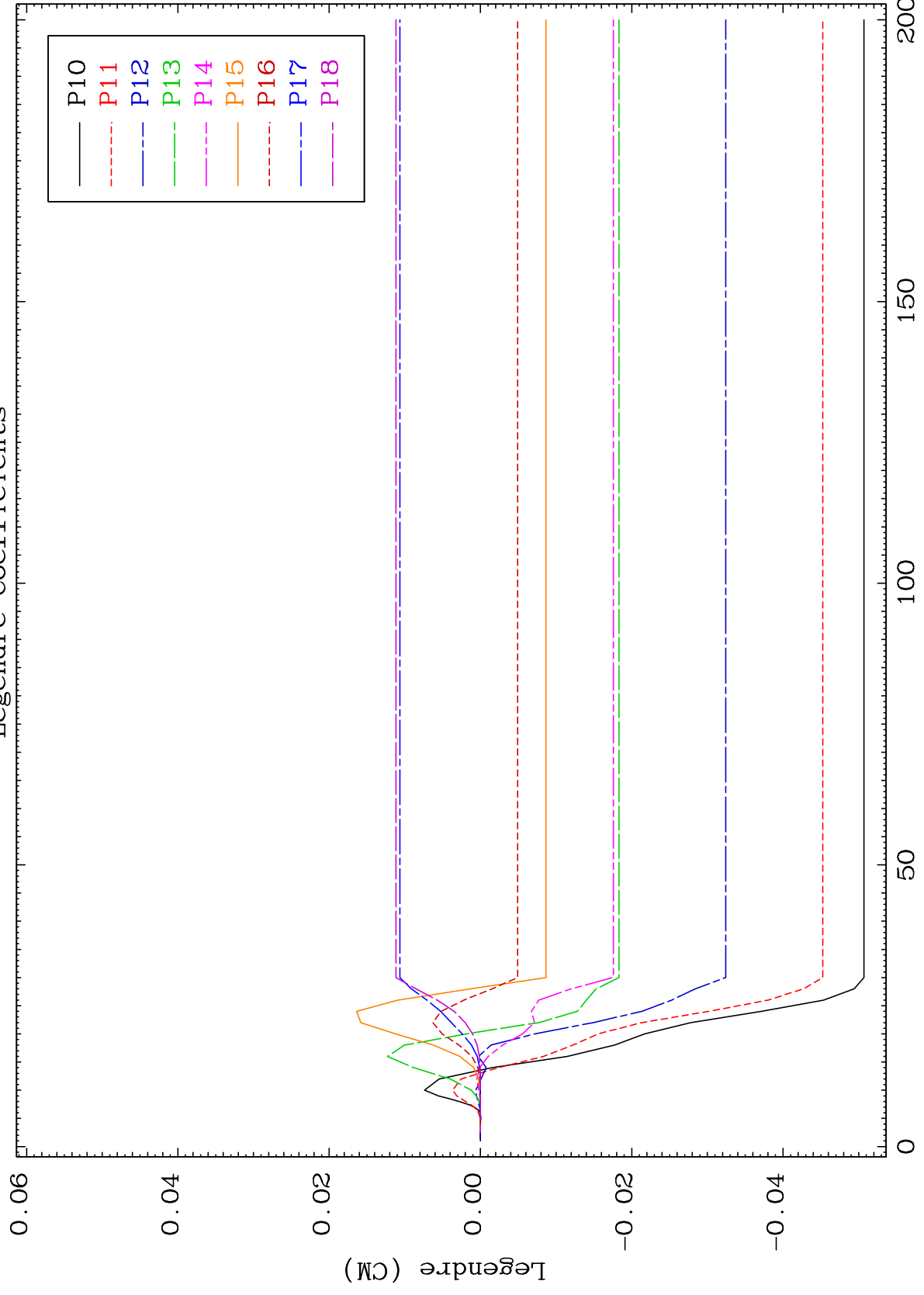
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-118



22

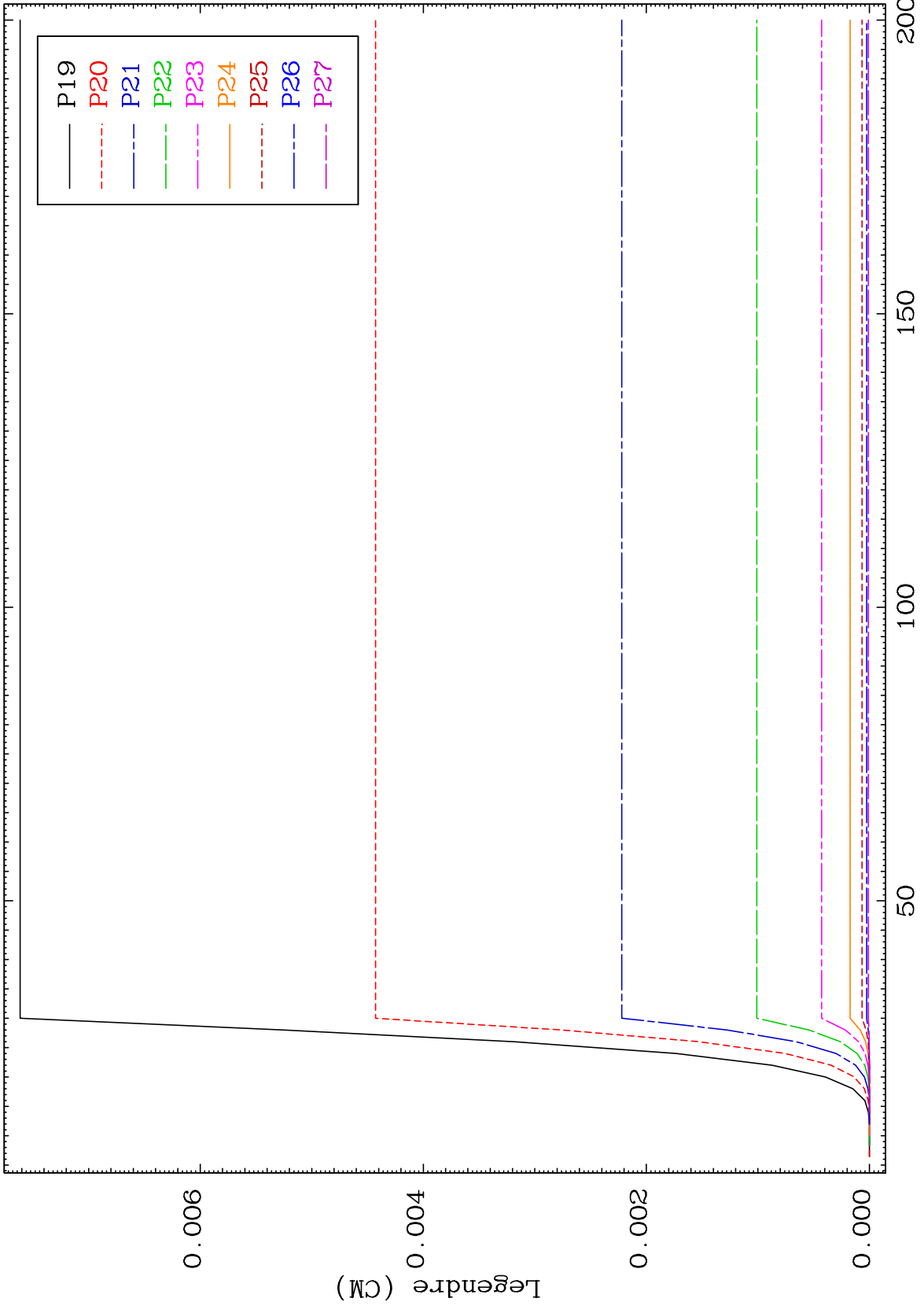
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-118



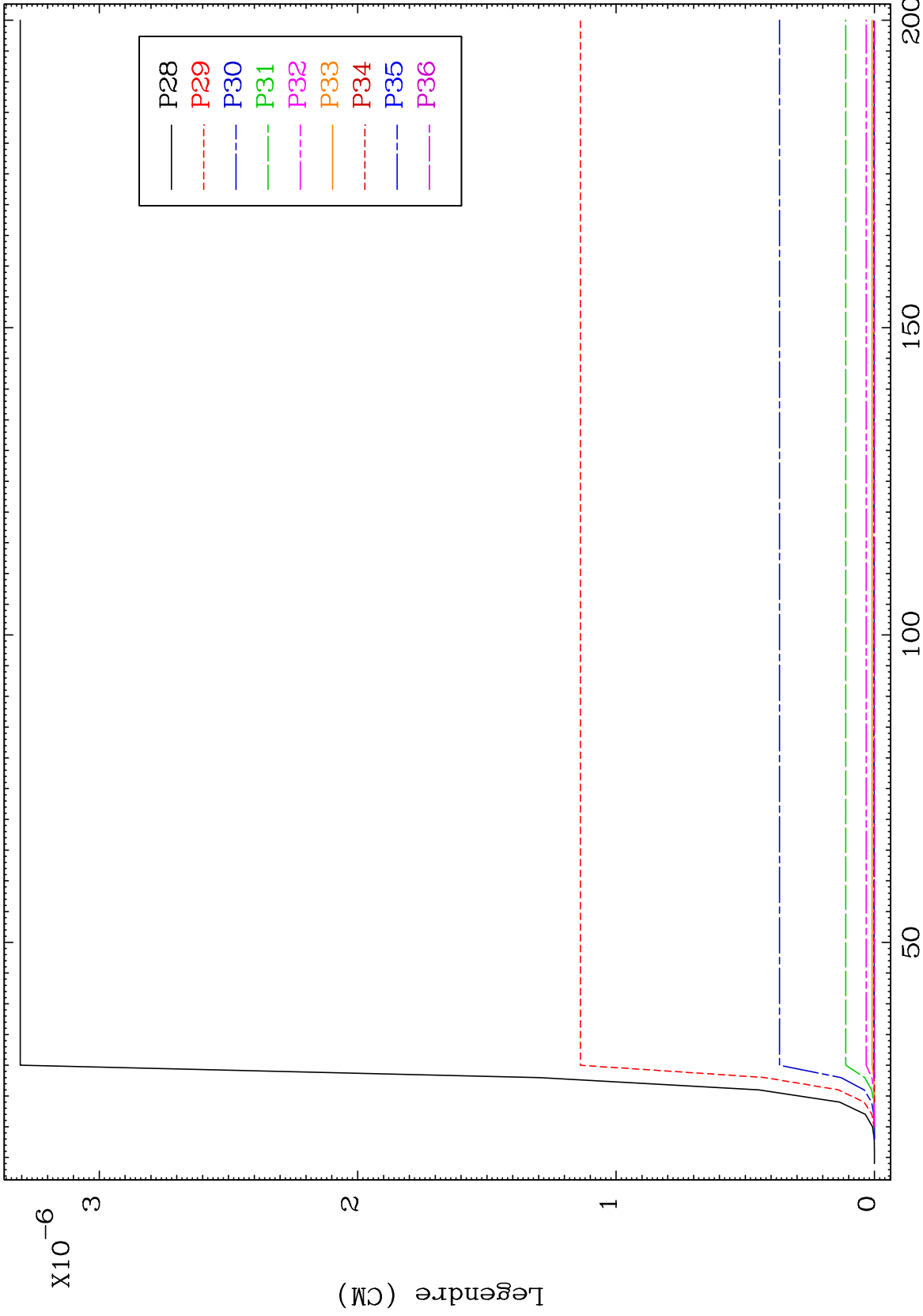
23

54-Xe-118

MAT 5407

MT= 51 (n,n') Level
Legendre Coefficients

54-Xe-118



24

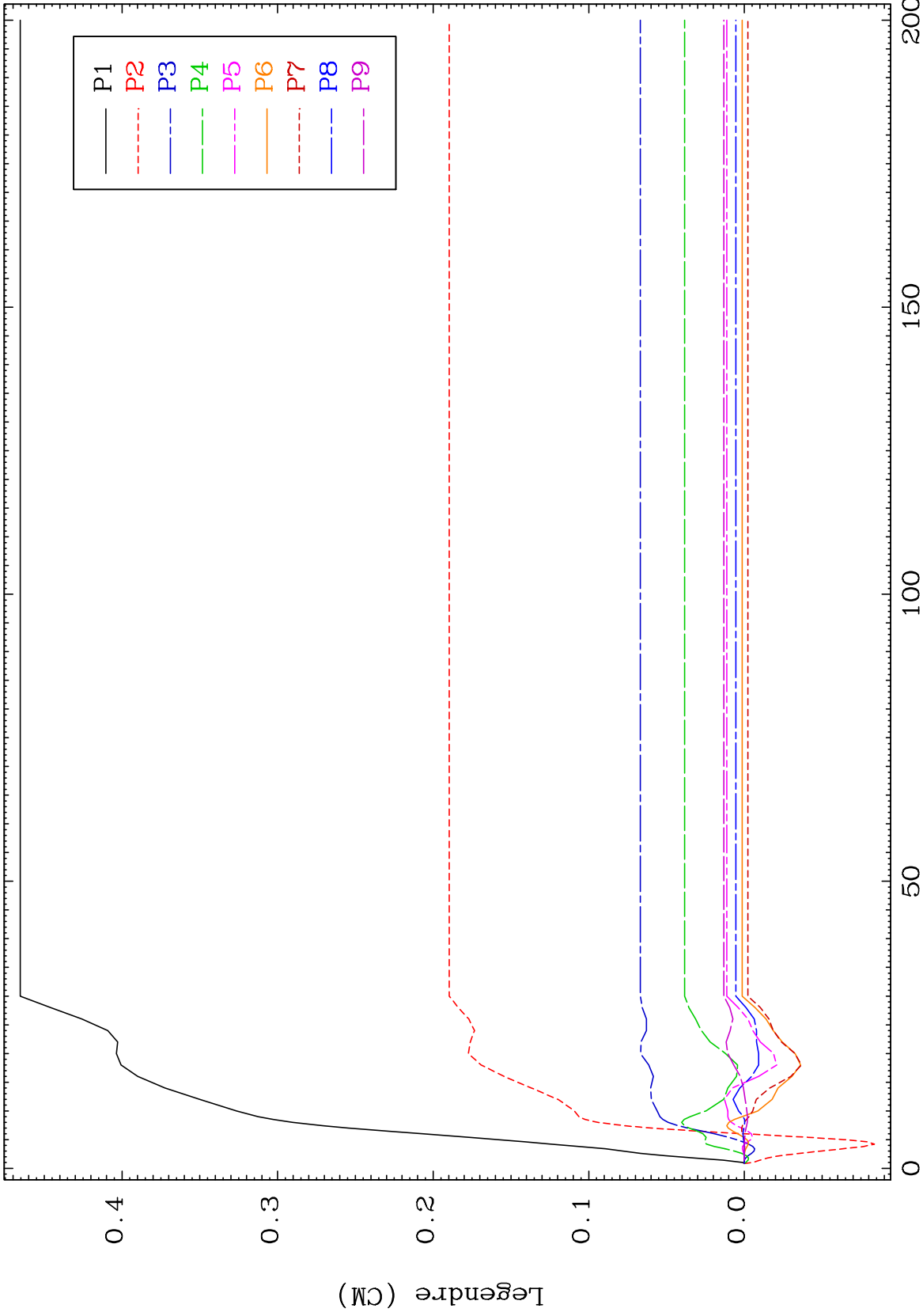
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 52 (n,n') Level
Legendre Coefficients

54-Xe-118



25

Incident Energy (MeV)

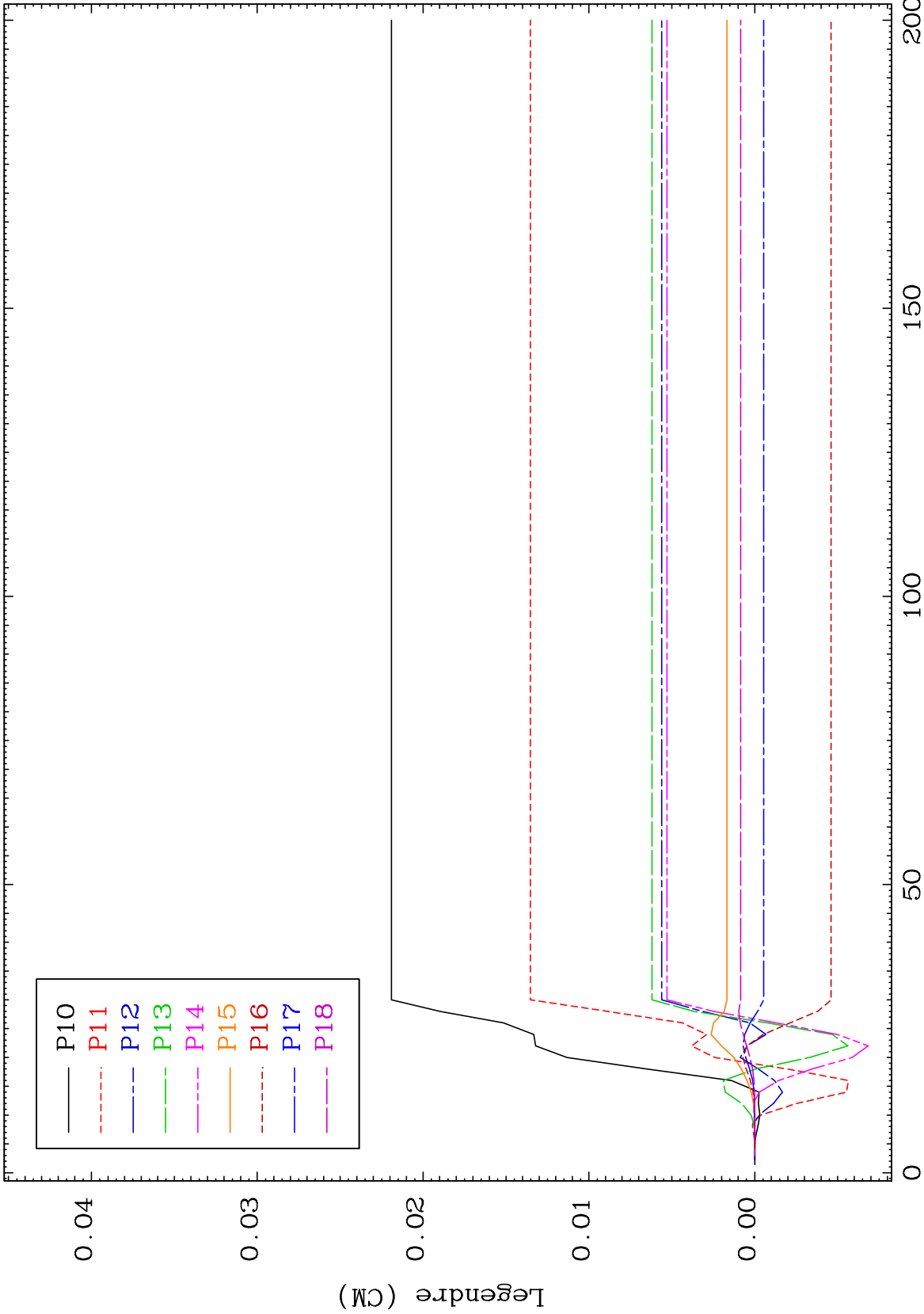
54-Xe-118

200

MAT 5407

MT= 52 (n,n') Level
Legendre Coefficients

54-Xe-118



26

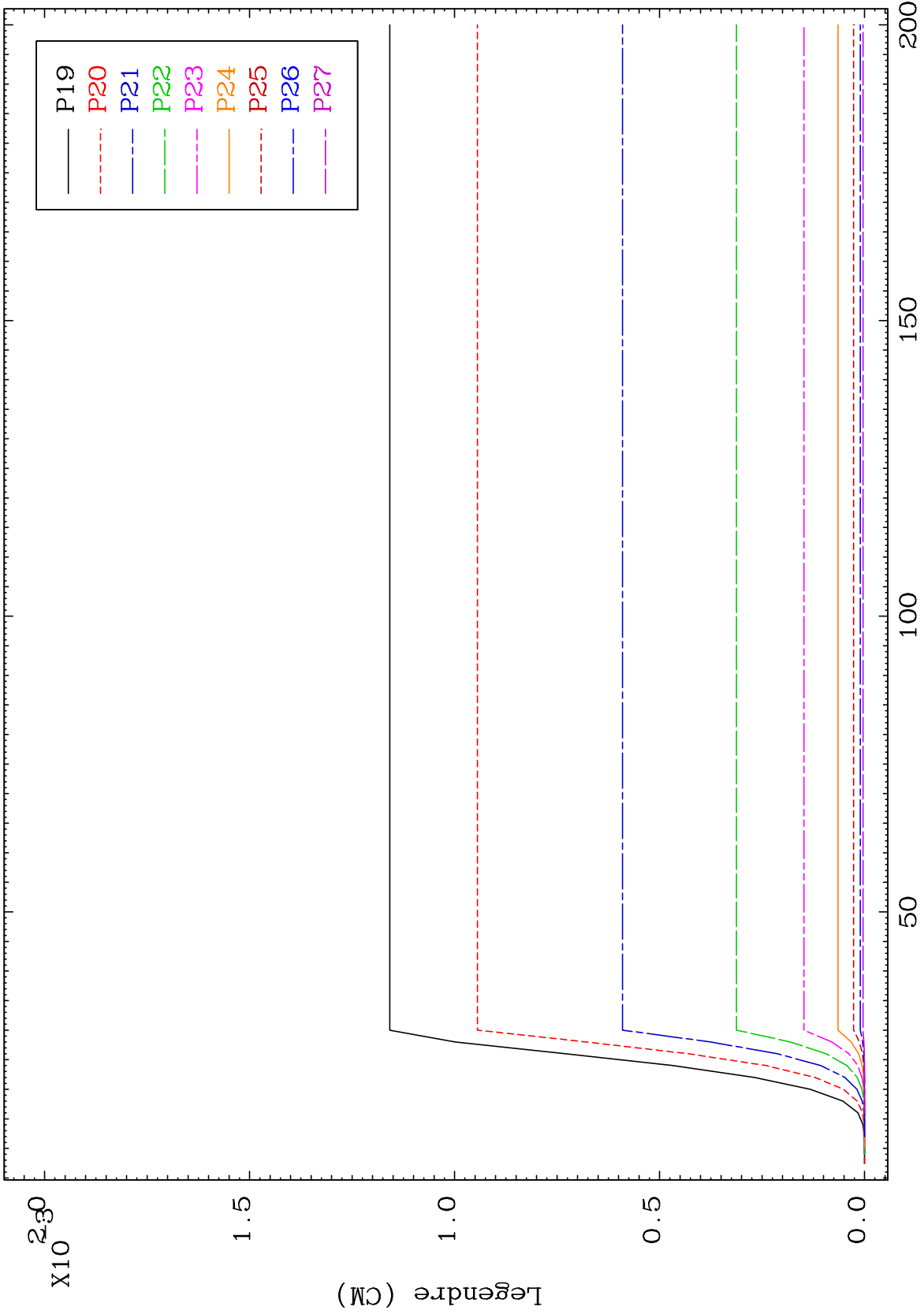
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 52 (n,n') Level
Legendre Coefficients

54-Xe-118



27

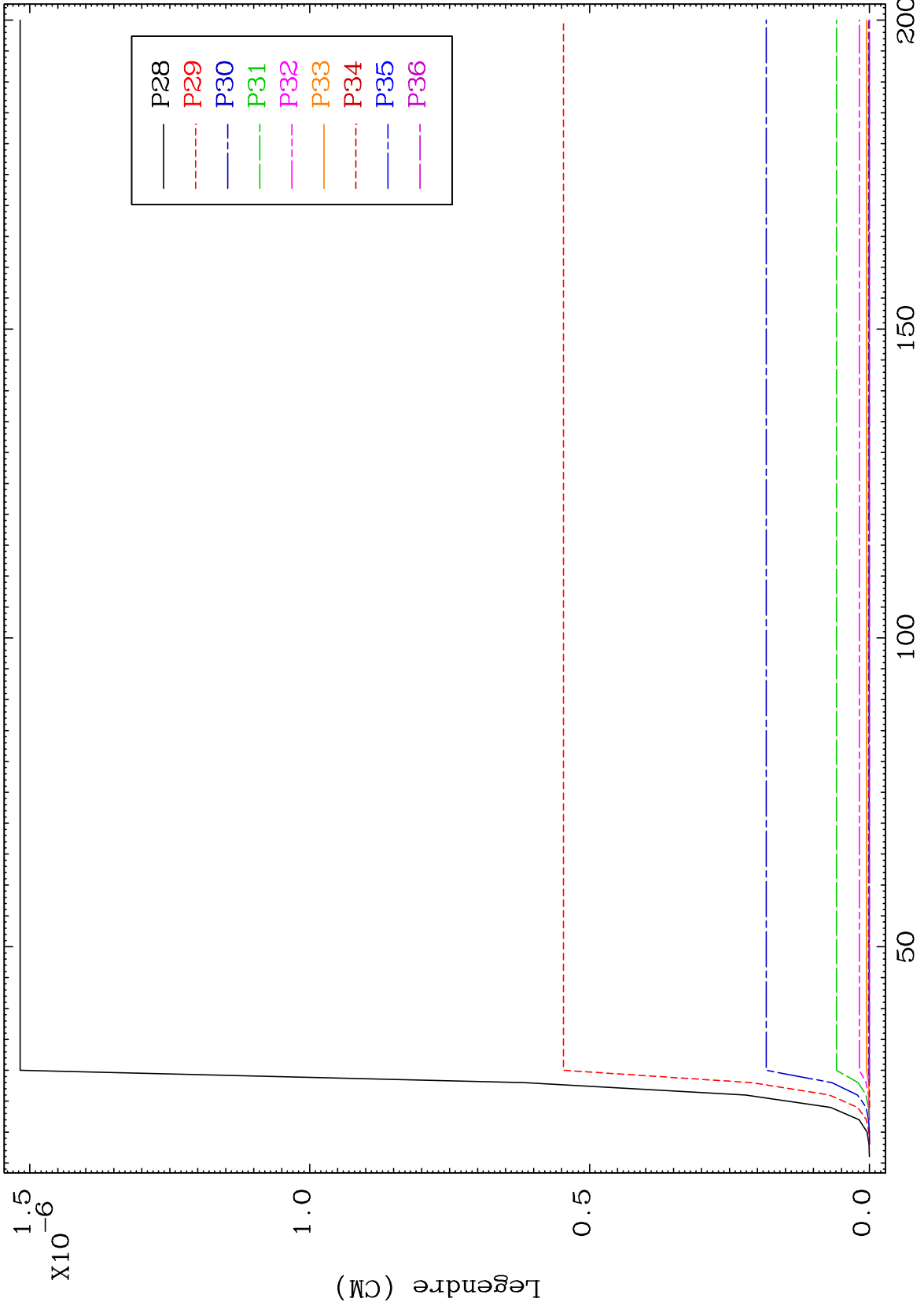
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 52 (n,n') Level
Legendre Coefficients

54-Xe-118



28

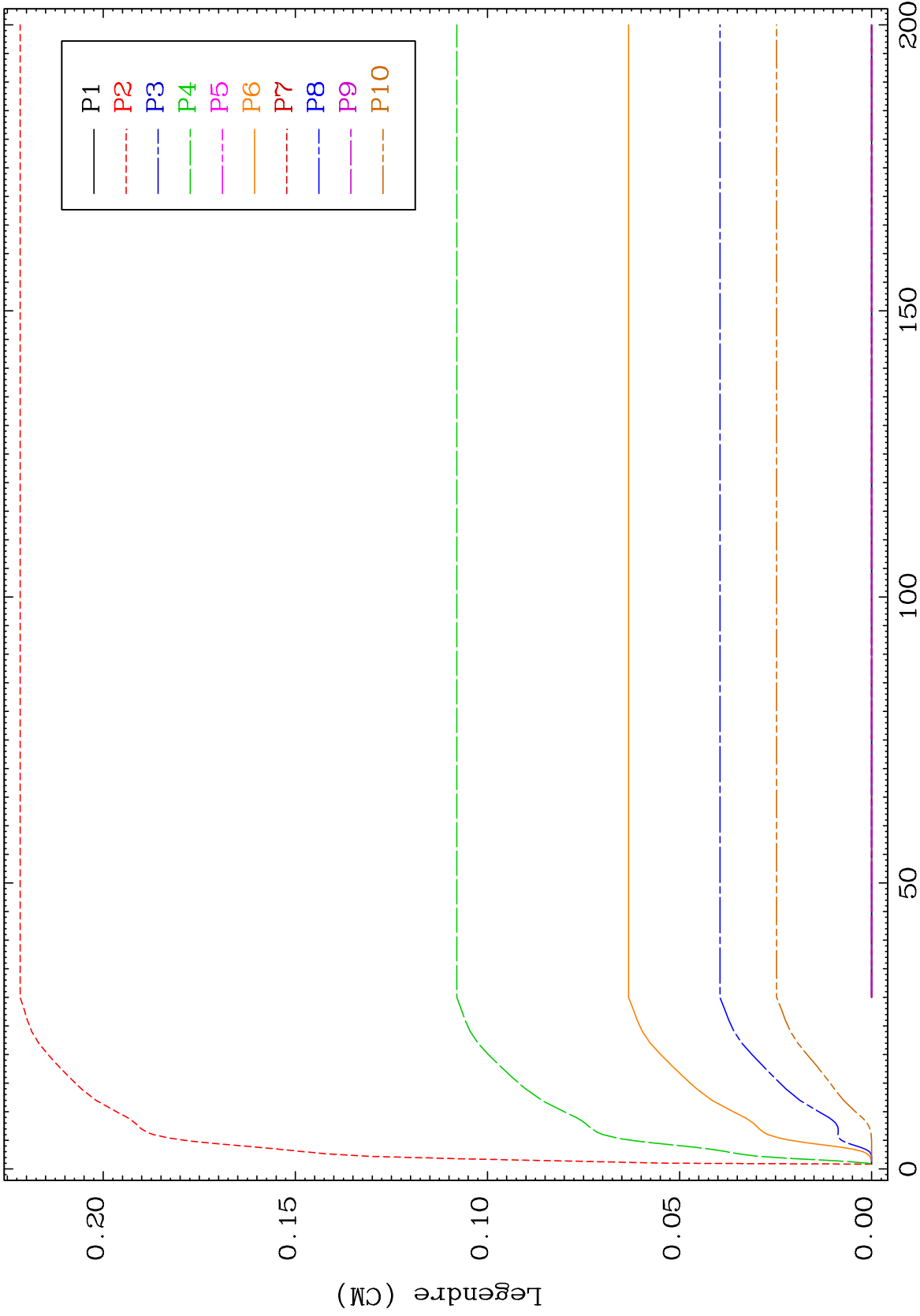
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 53 (n,n') Level
Legendre Coefficients

54-Xe-118



29

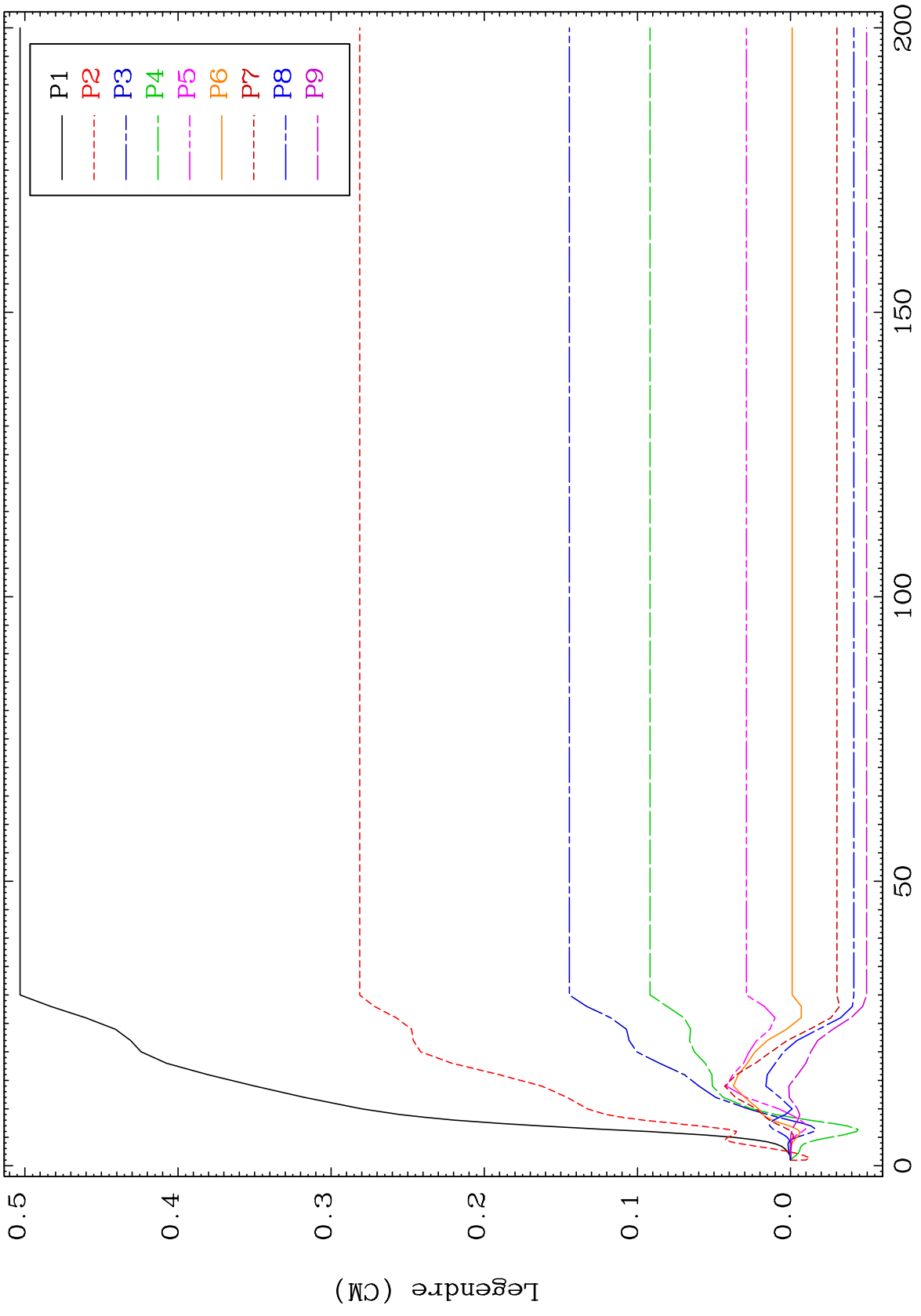
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-118



32

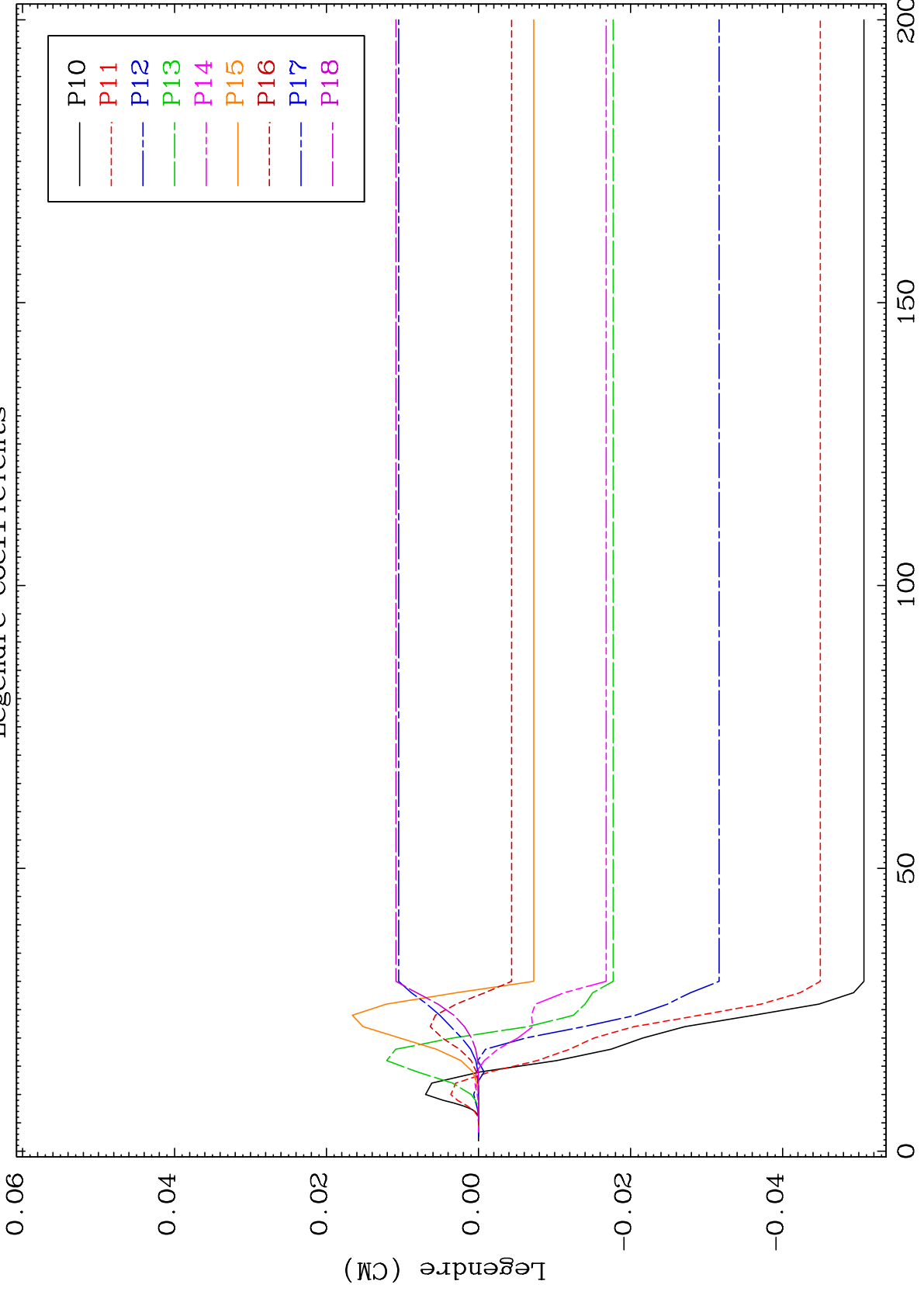
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-118



33

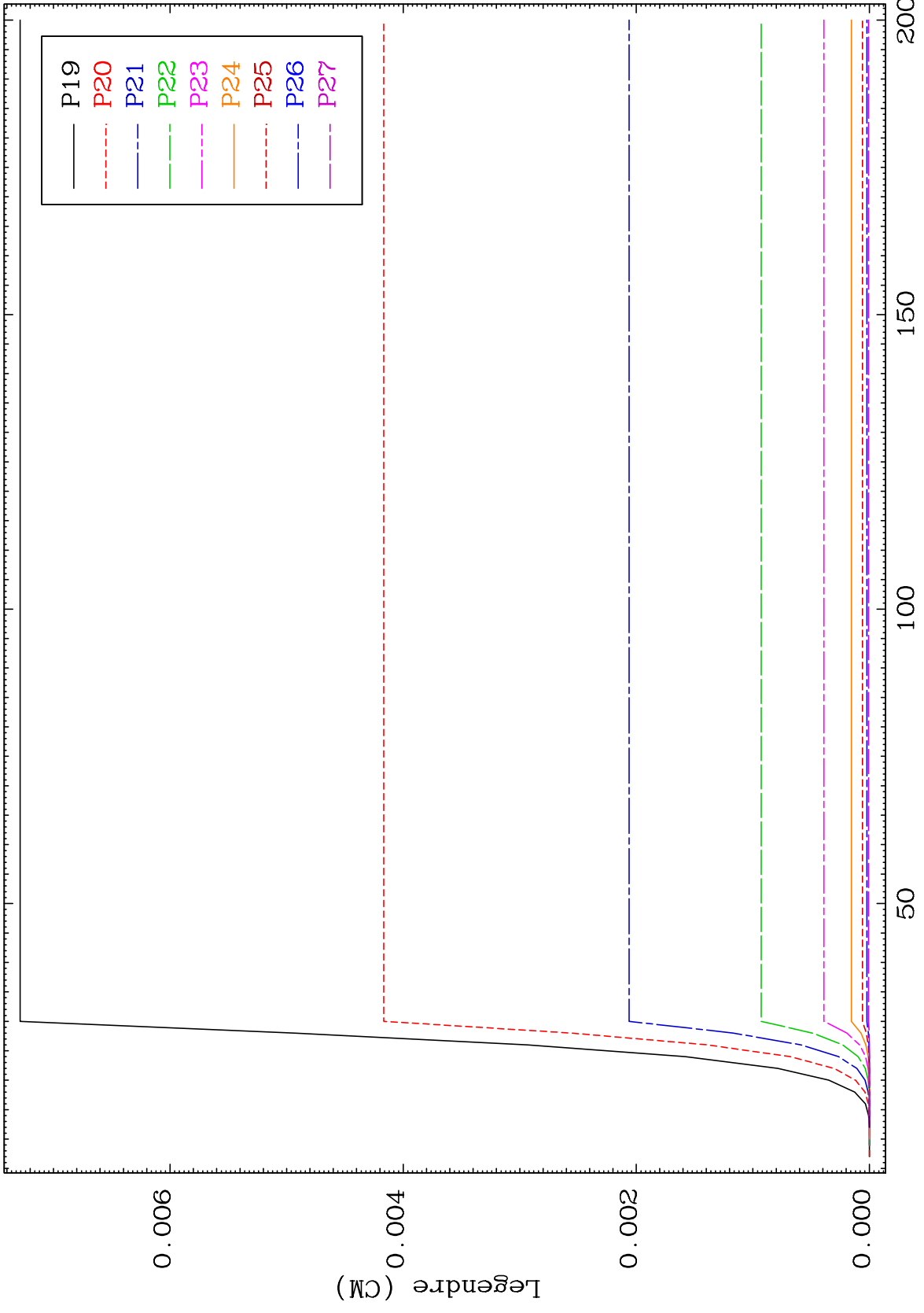
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-118



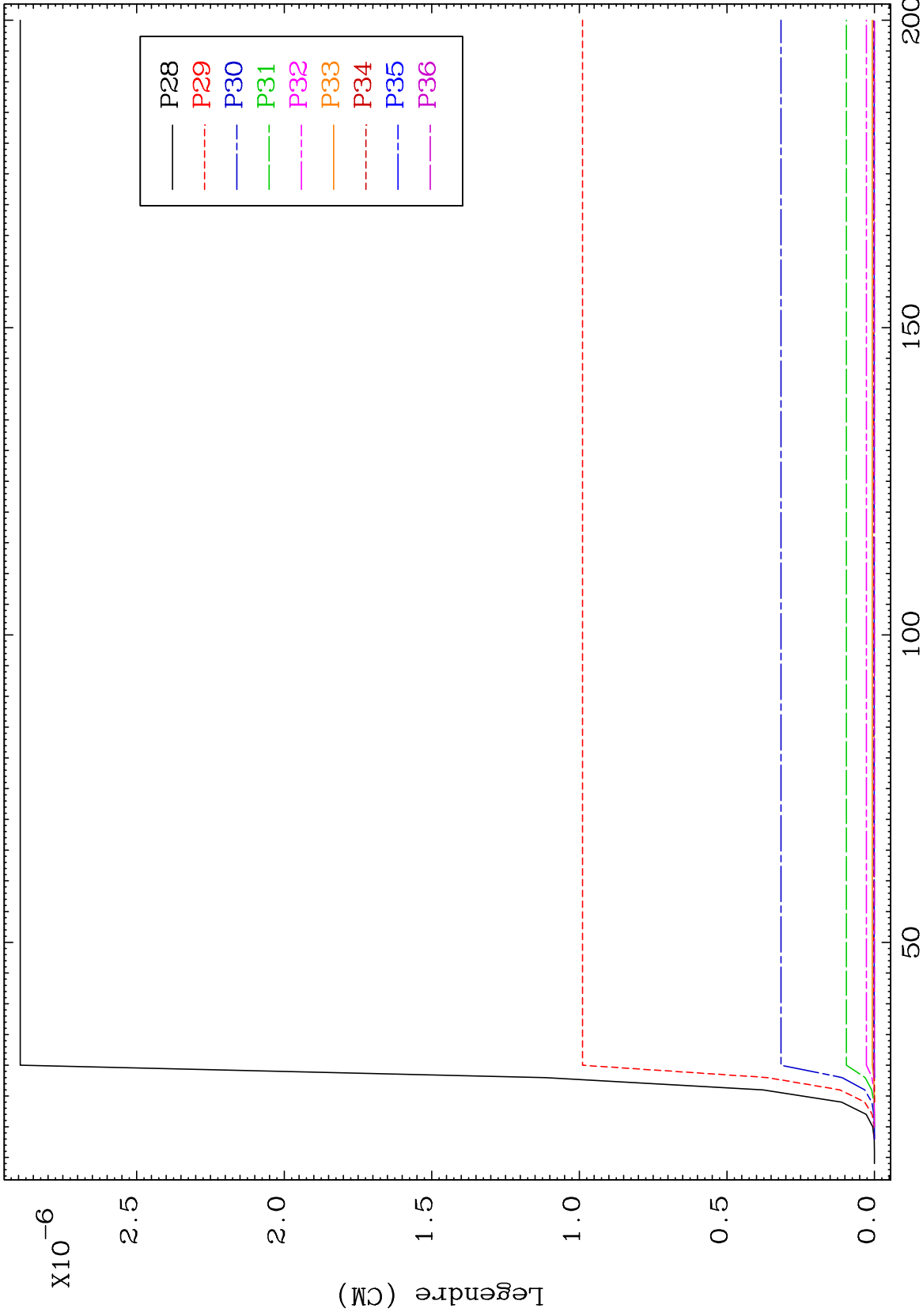
34

54-Xe-118

MAT 5407

MT= 54 (n,n') Level
Legendre Coefficients

54-Xe-118



35

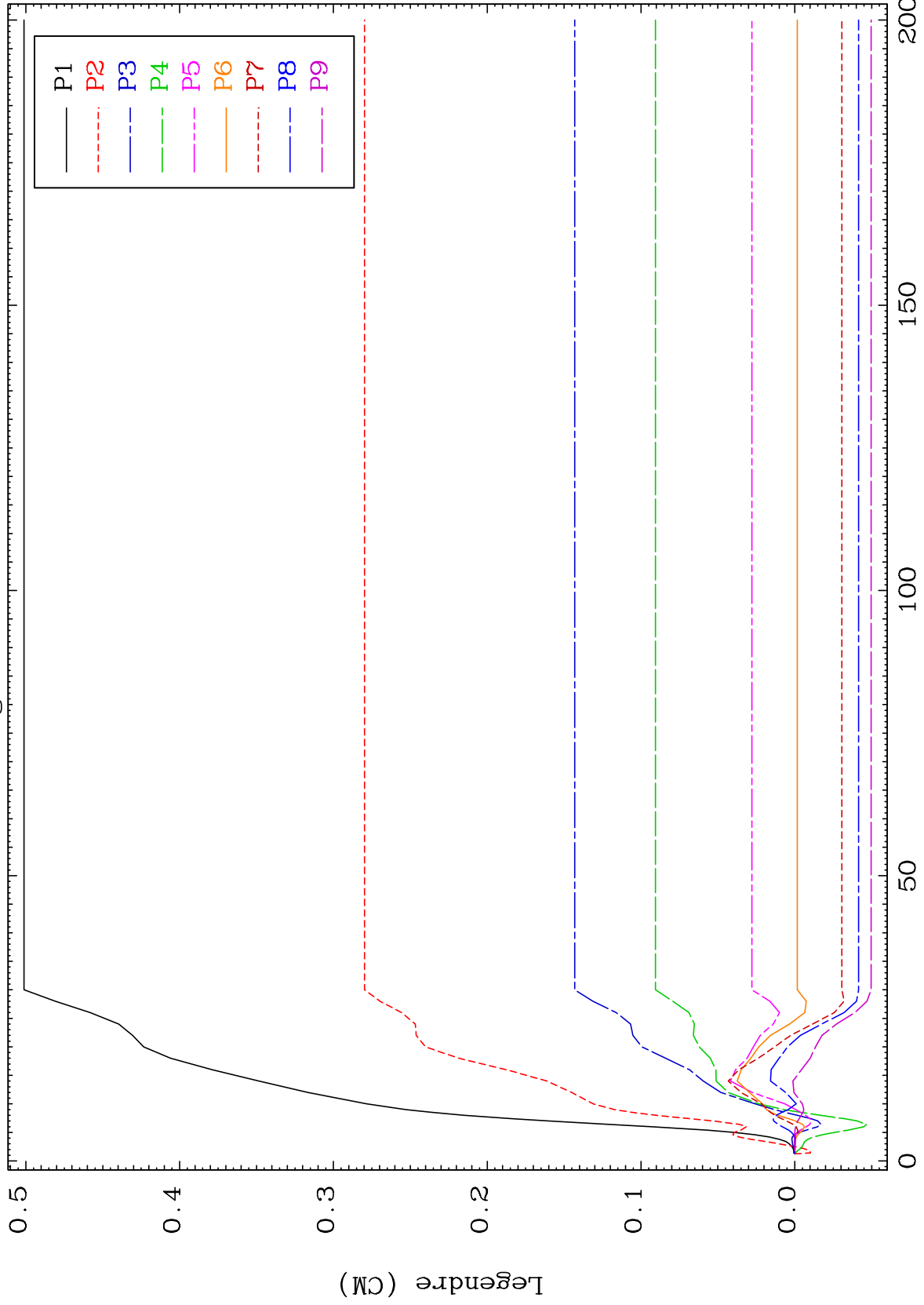
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-118



36

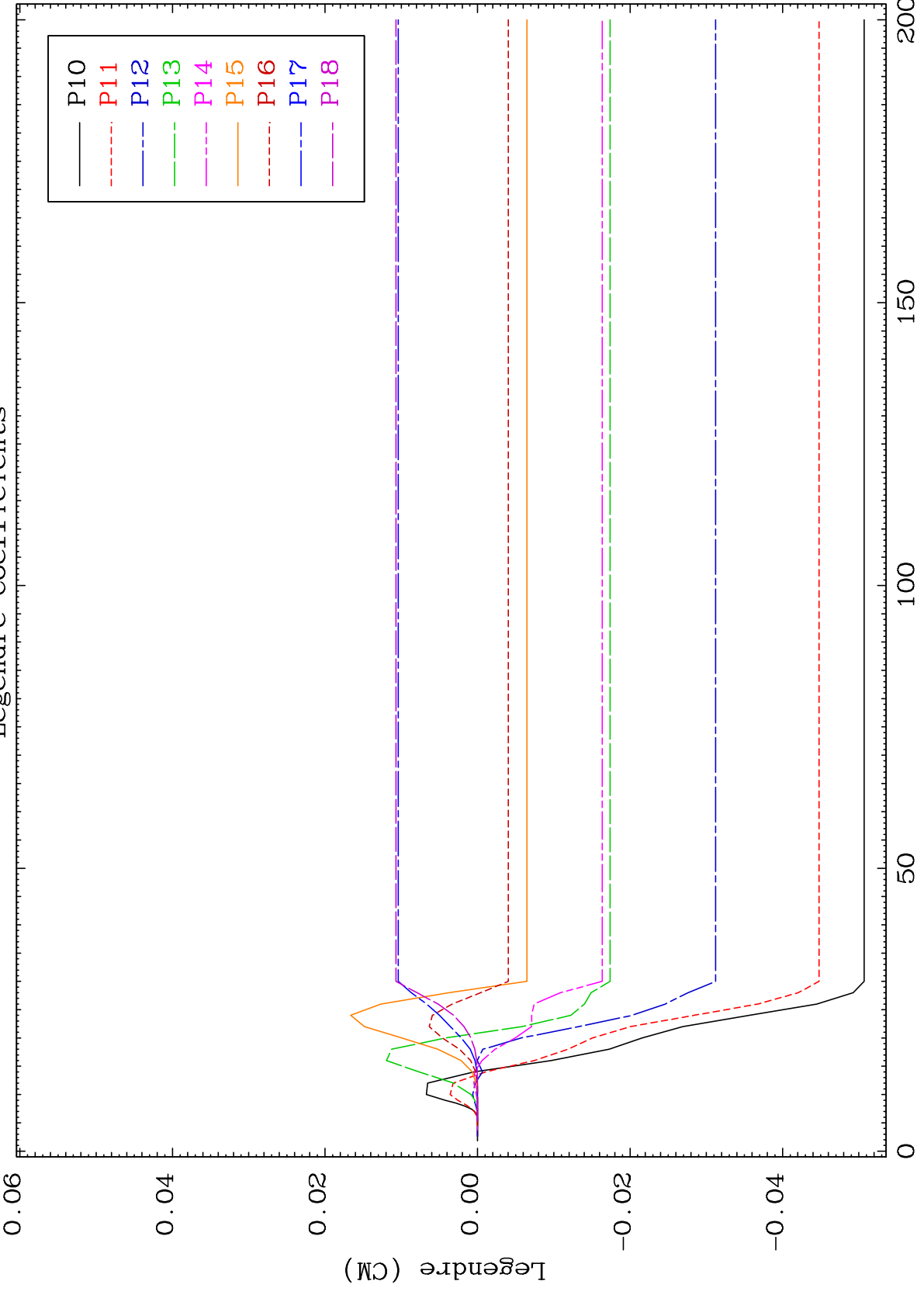
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-118



37

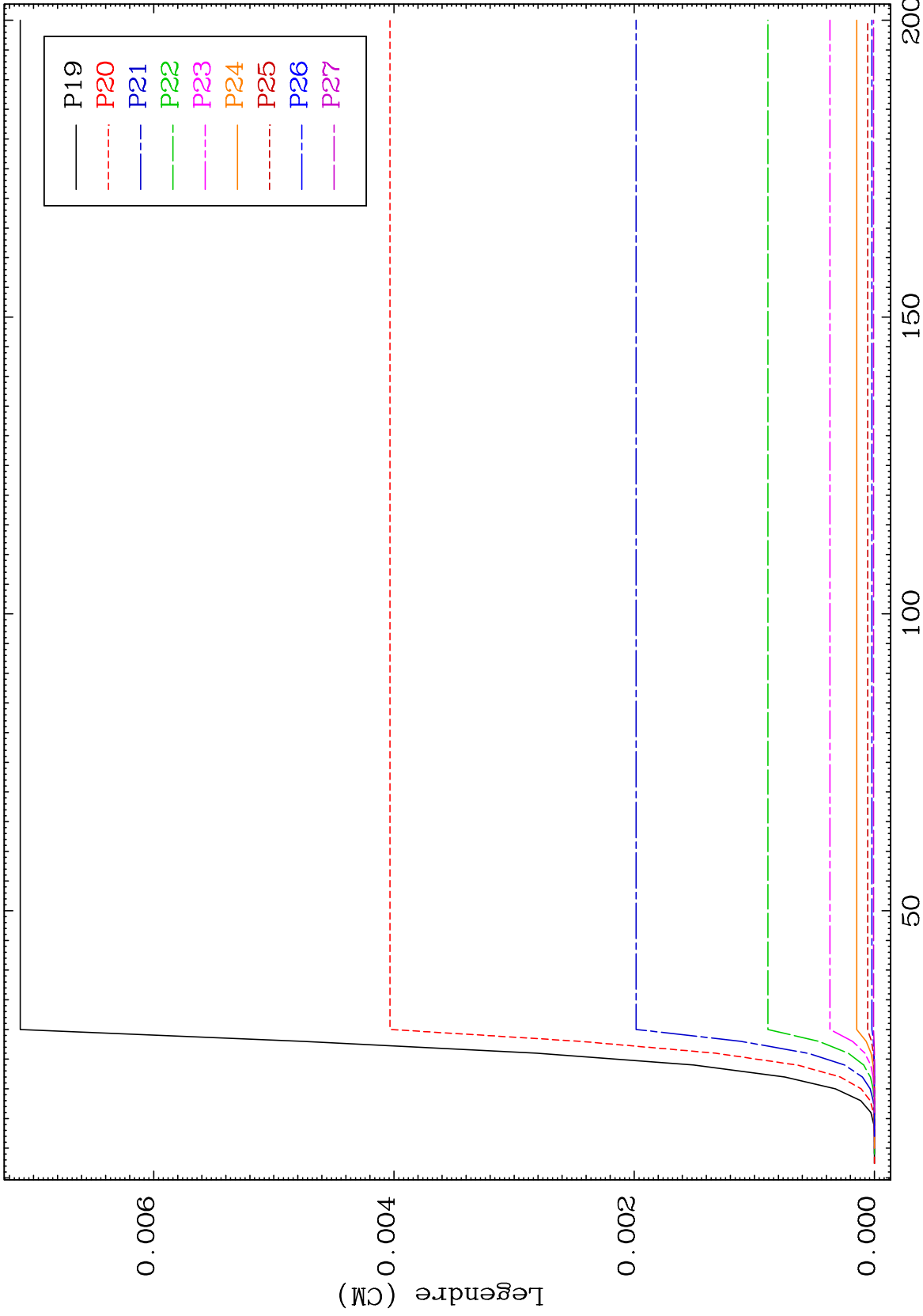
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-118



38

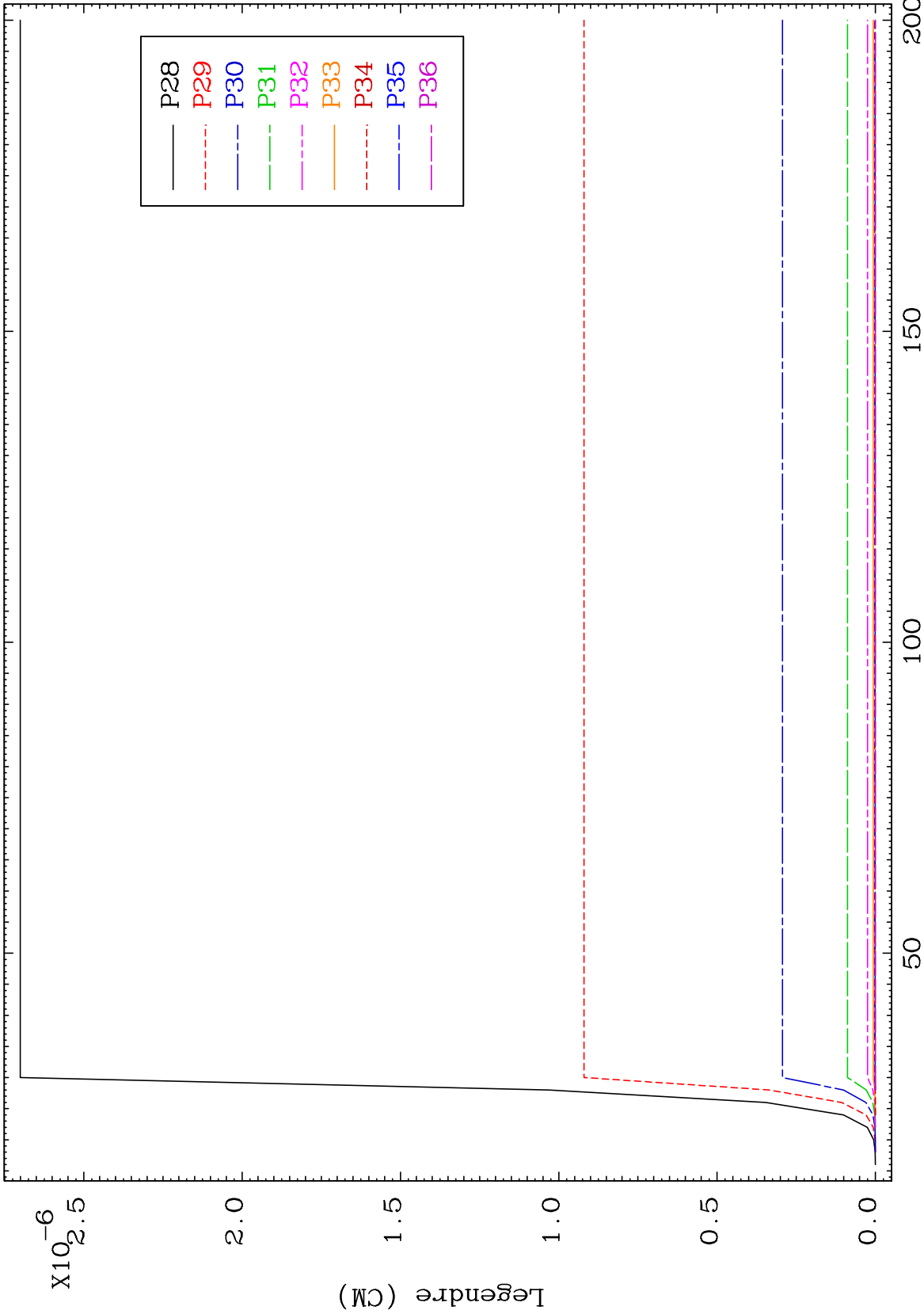
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 55 (n,n') Level
Legendre Coefficients

54-Xe-118



39

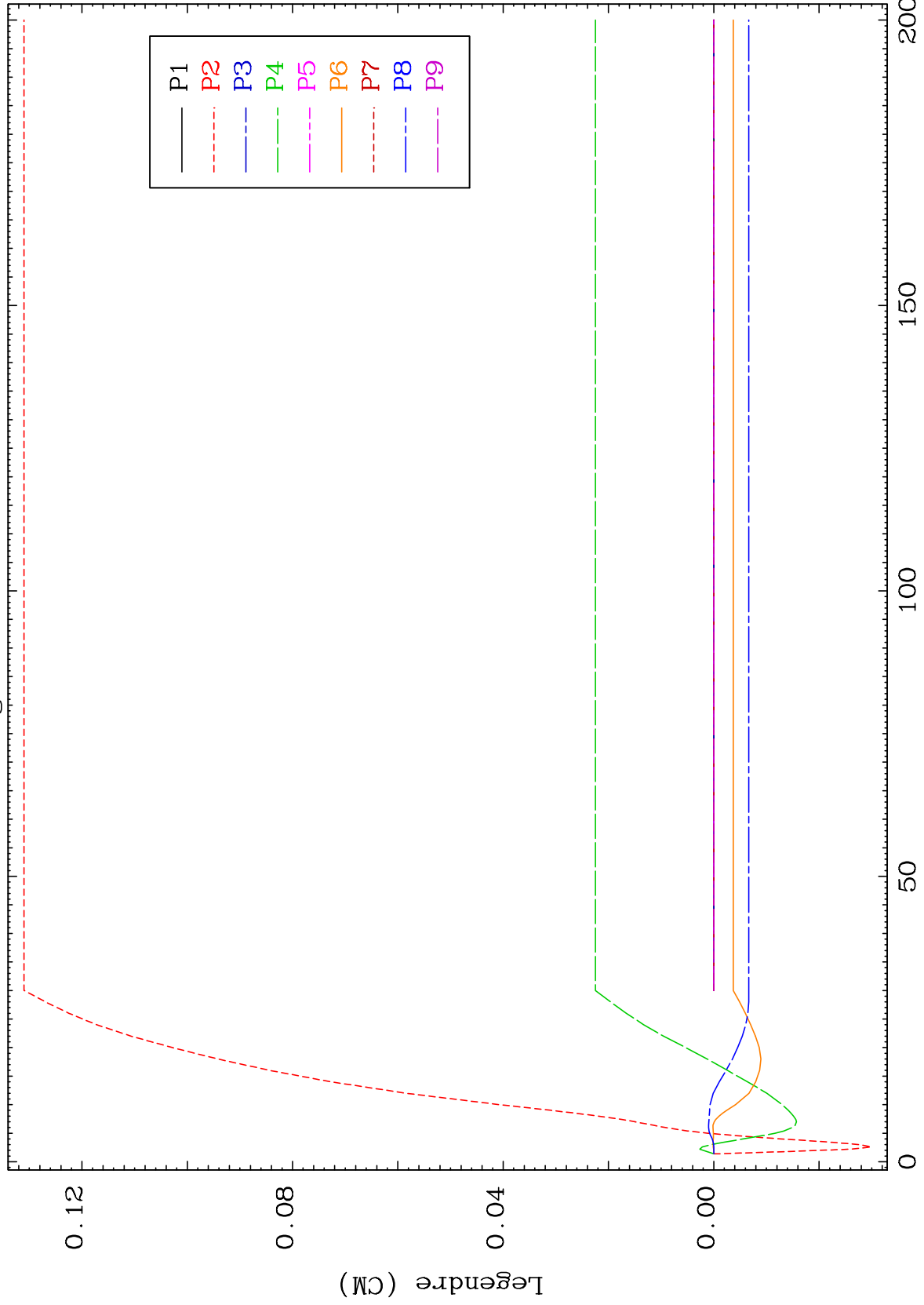
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-118



40

Incident Energy (MeV)

150

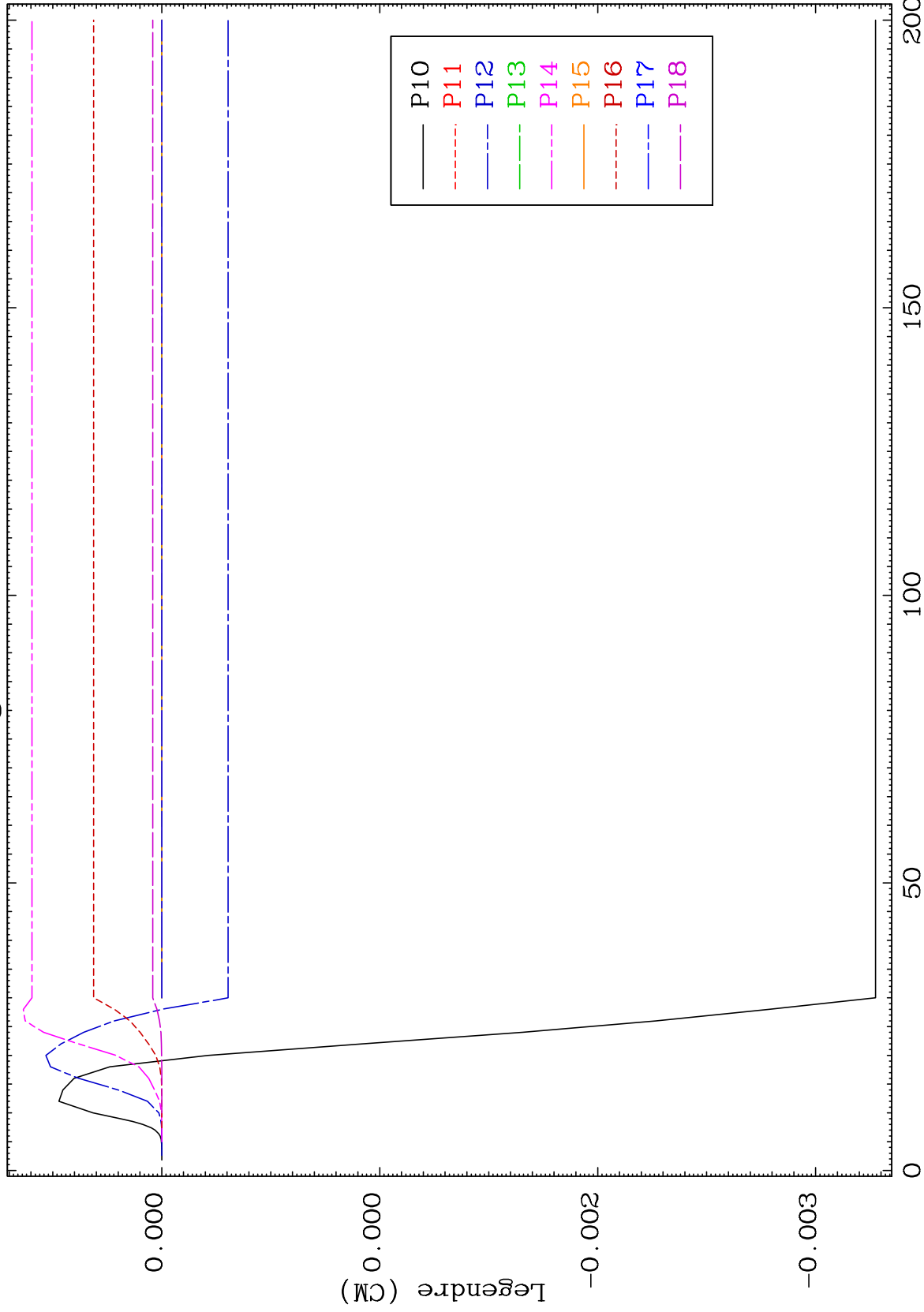
200

54-Xe-118

MAT 5407

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-118



41

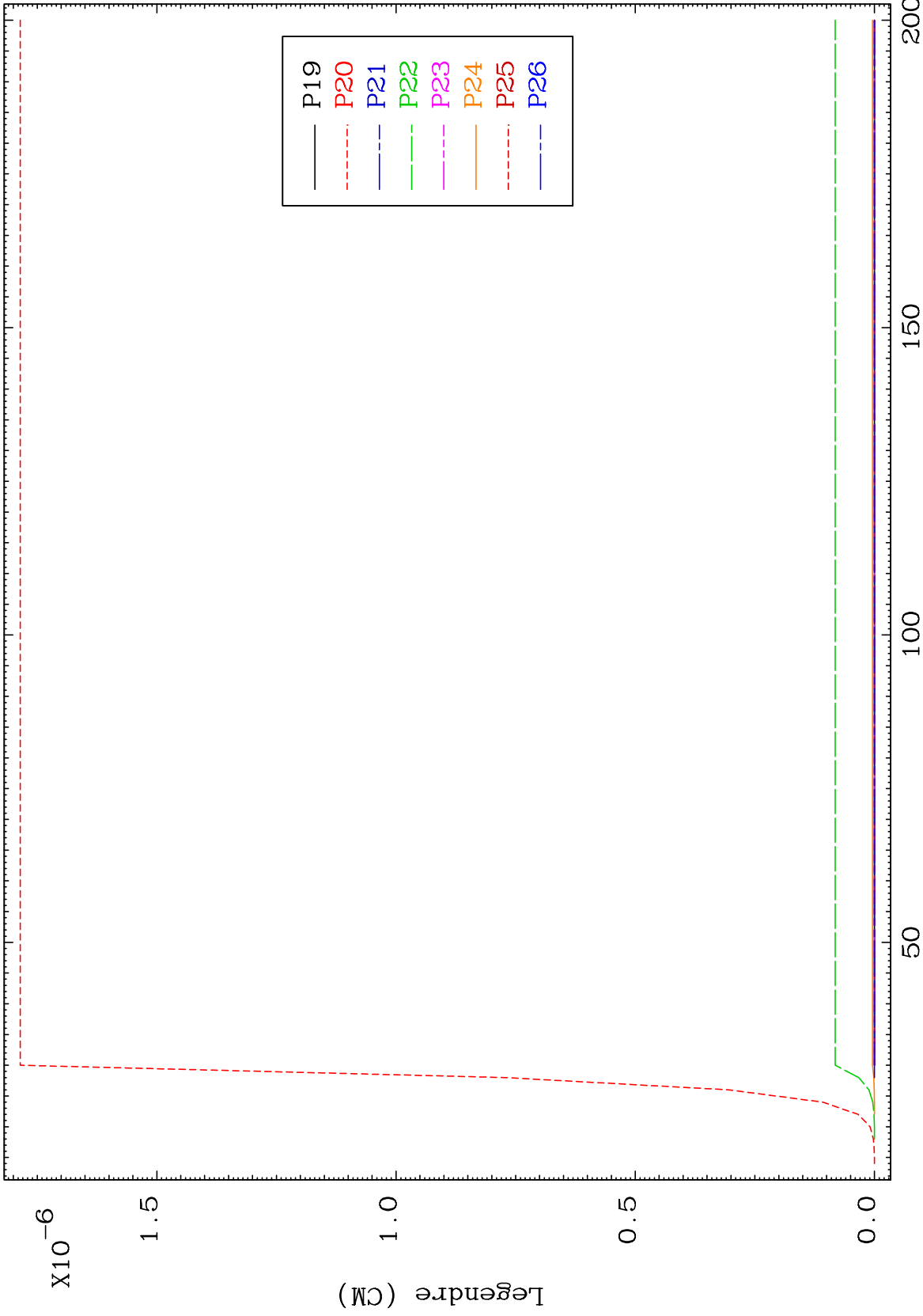
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 56 (n,n') Level
Legendre Coefficients

54-Xe-118



42

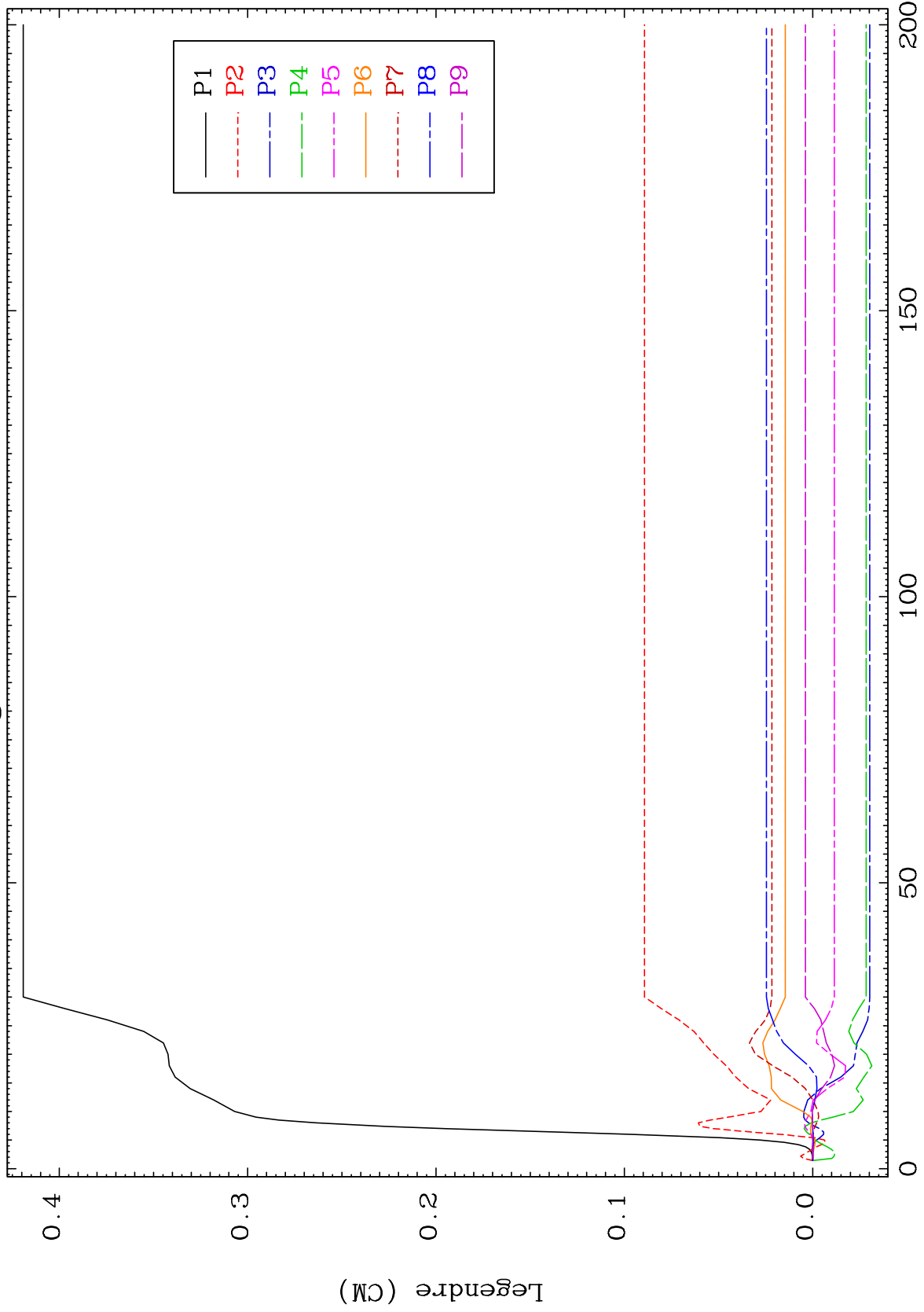
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-118



43

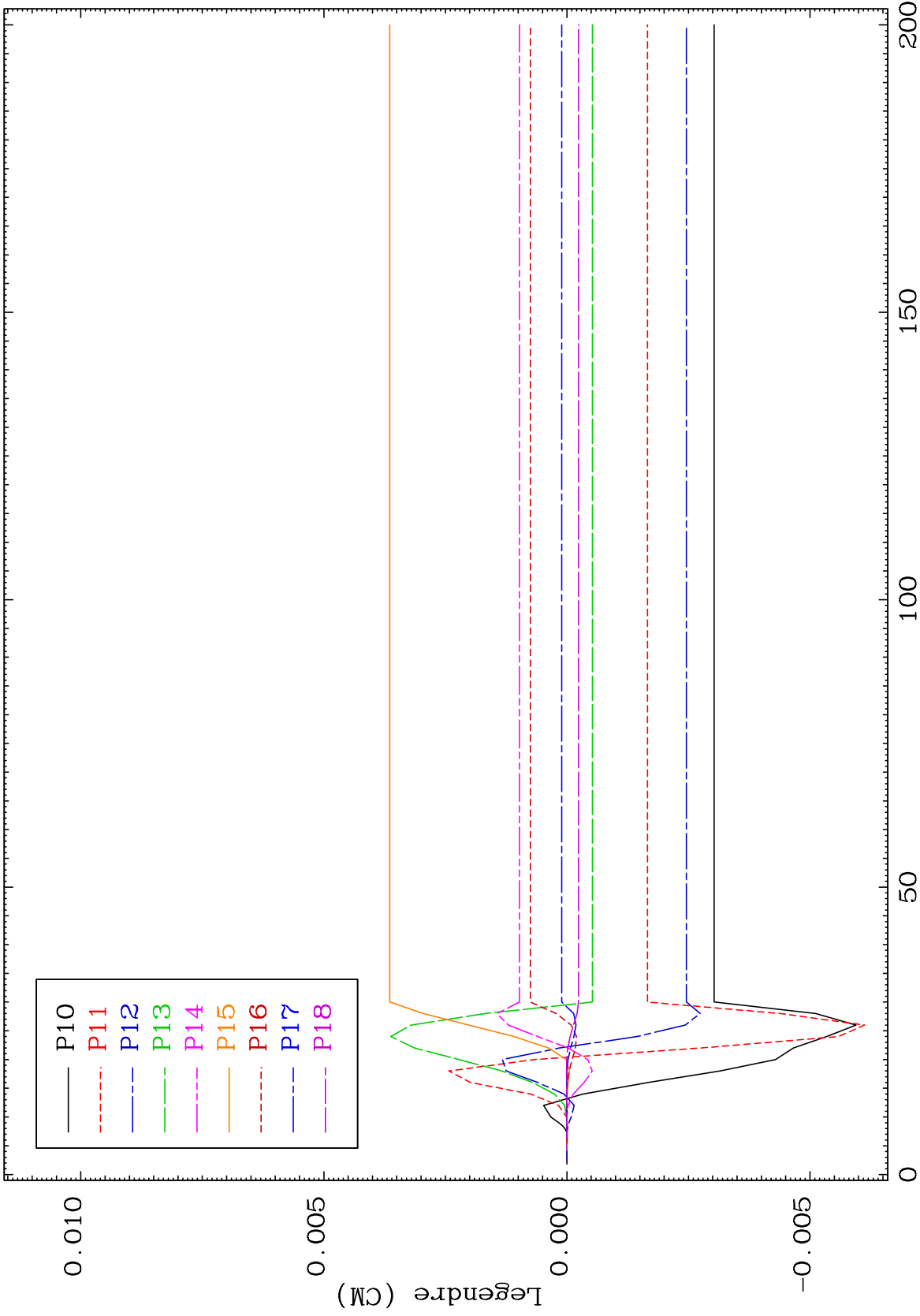
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-118



44

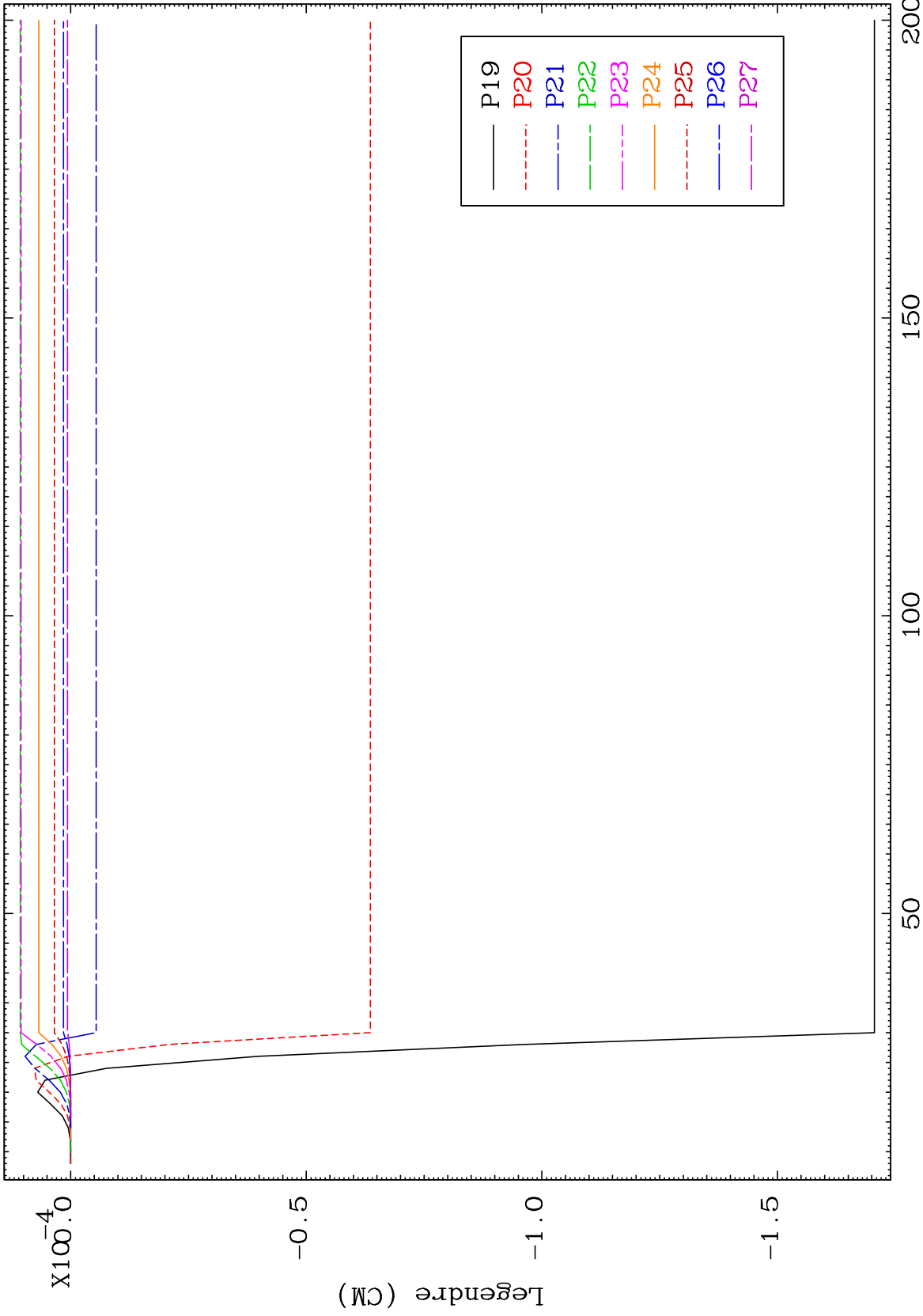
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-118



45

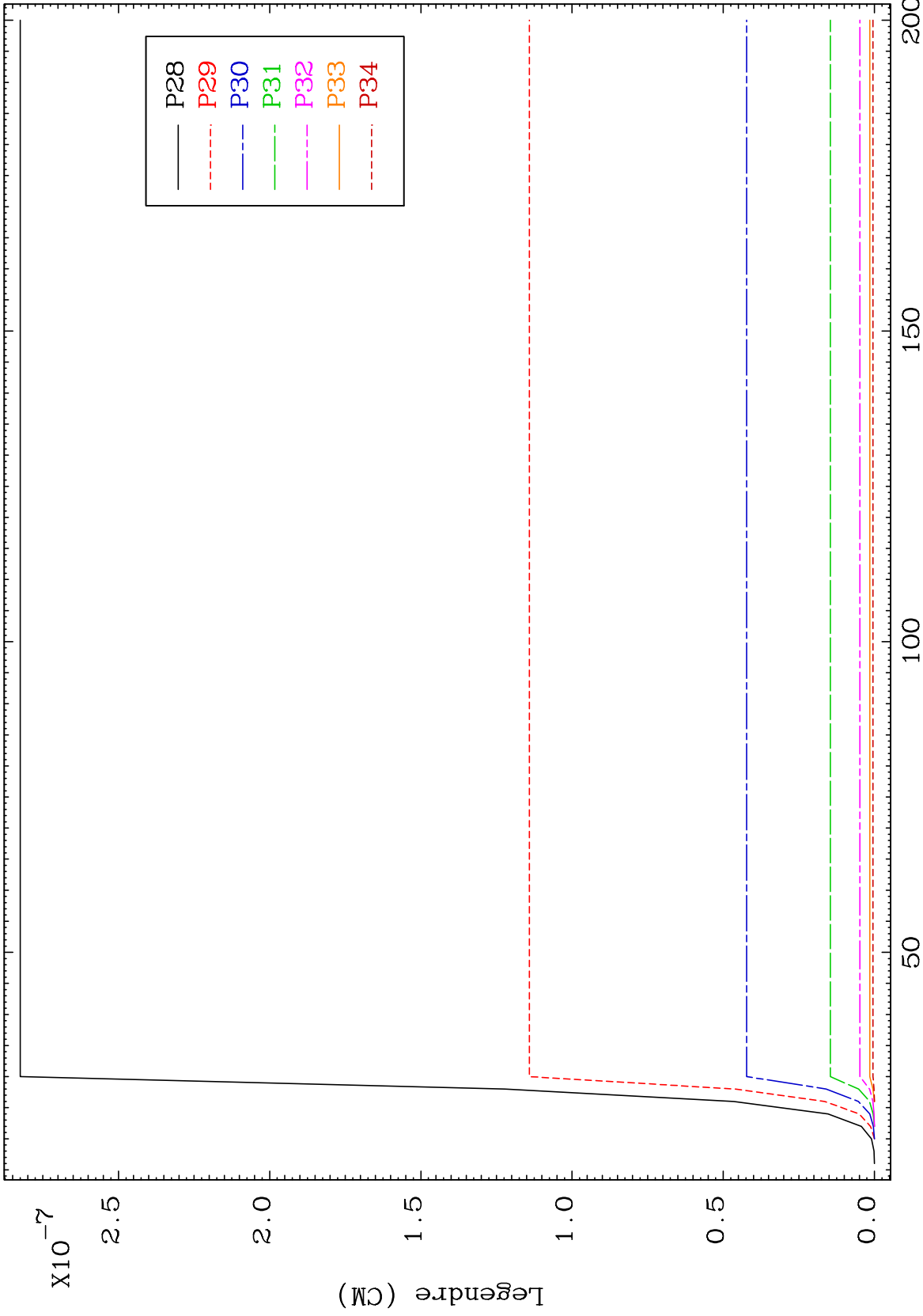
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 57 (n,n') Level
Legendre Coefficients

54-Xe-118



46

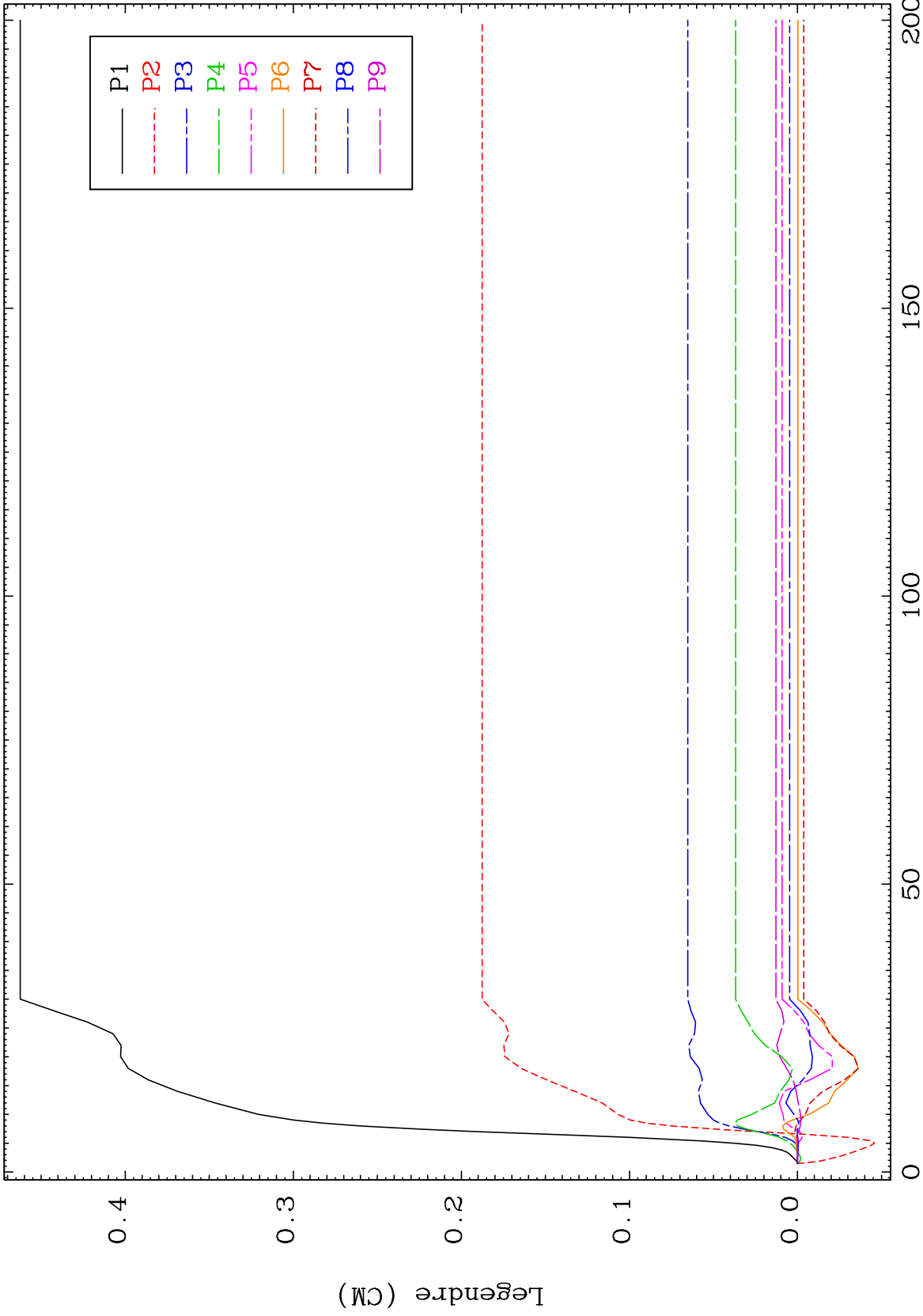
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 58 (n,n') Level
Legendre Coefficients

54-Xe-118



47

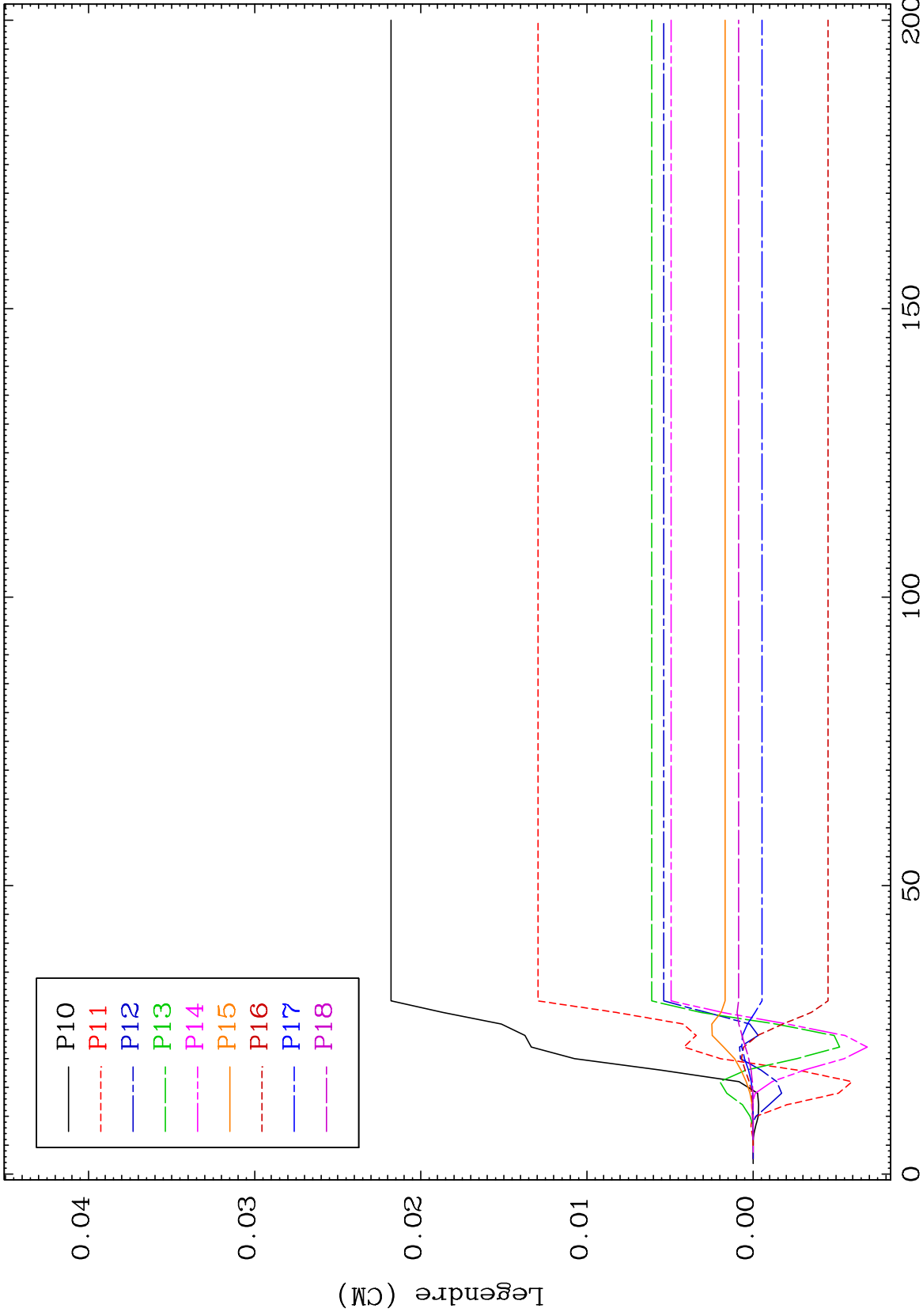
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 58 (n,n') Level
Legendre Coefficients

54-Xe-118



48

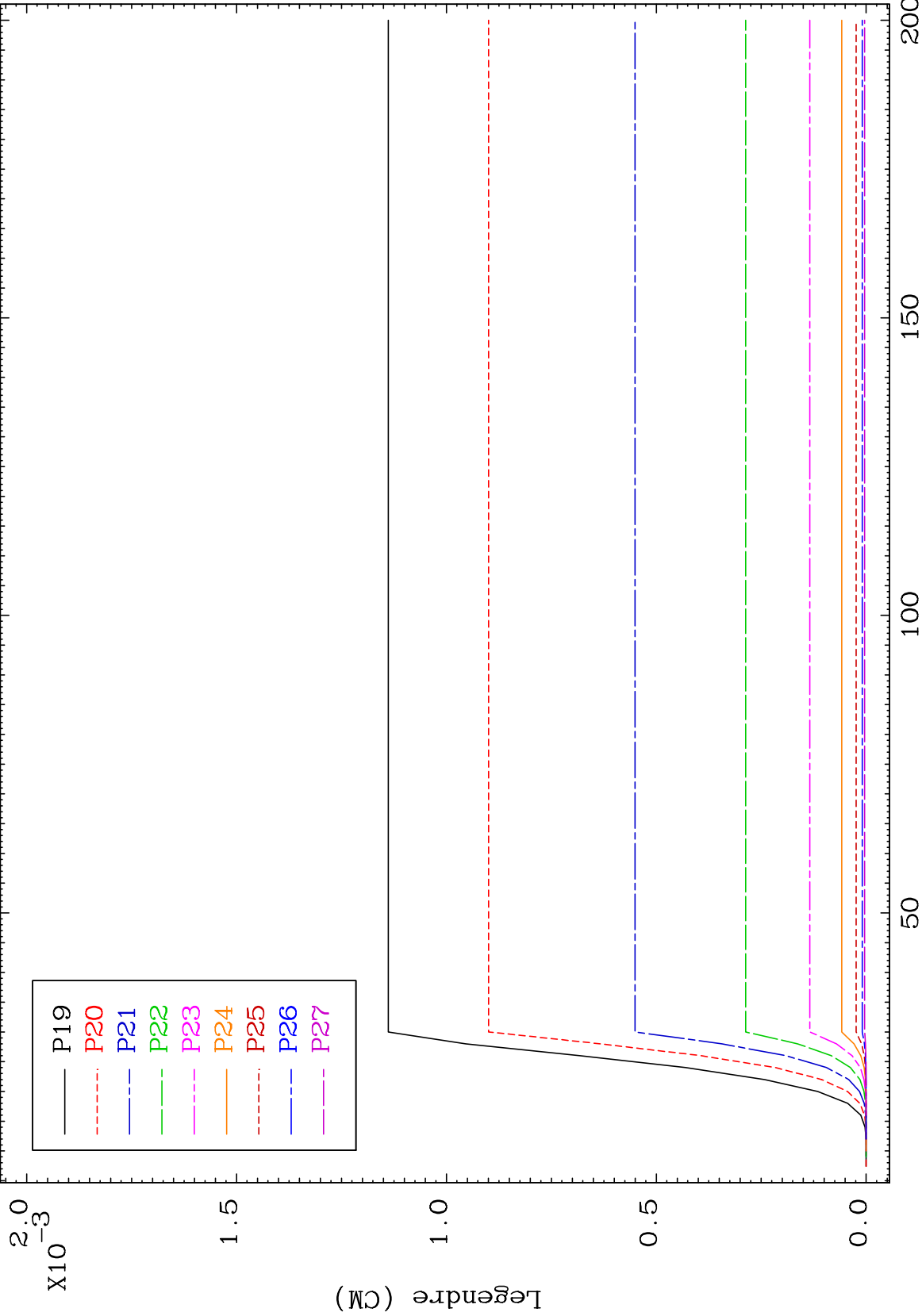
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 58 (n,n') Level
Legendre Coefficients

54-Xe-118



49

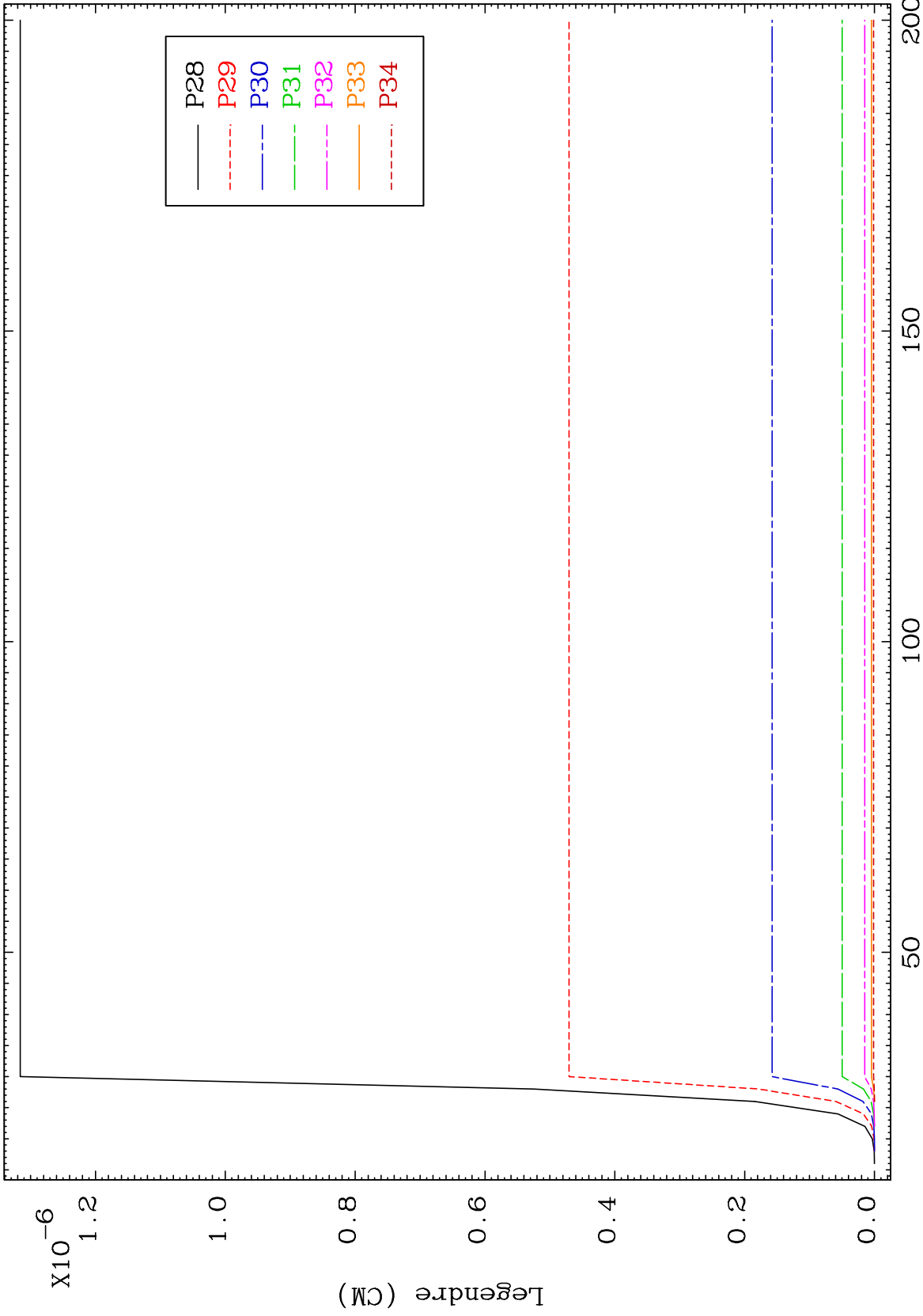
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 58 (n,n') Level
Legendre Coefficients

54-Xe-118



50

Incident Energy (MeV)

50

100

150

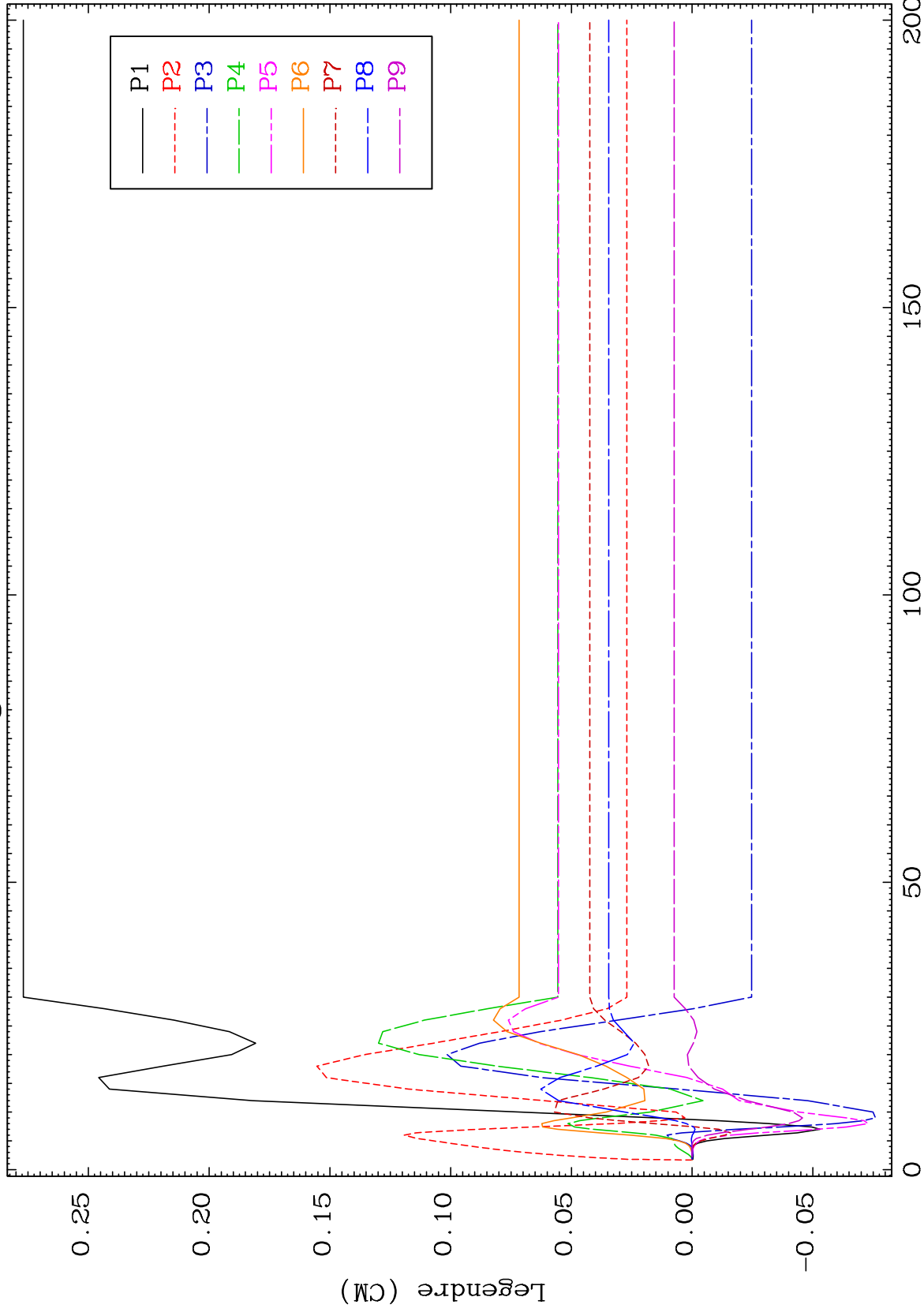
200

54-Xe-118

MAT 5407

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-118



51

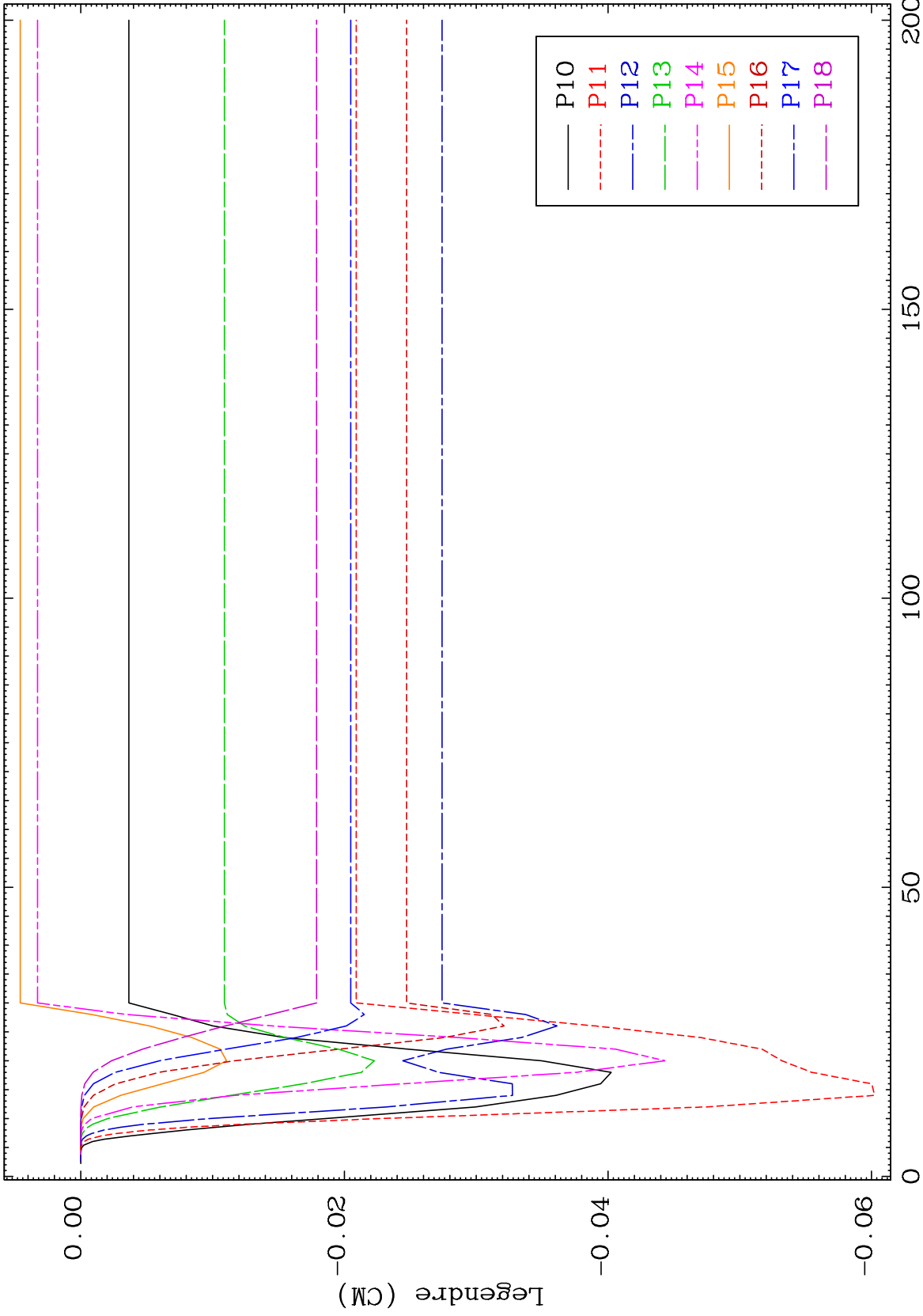
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-118



52

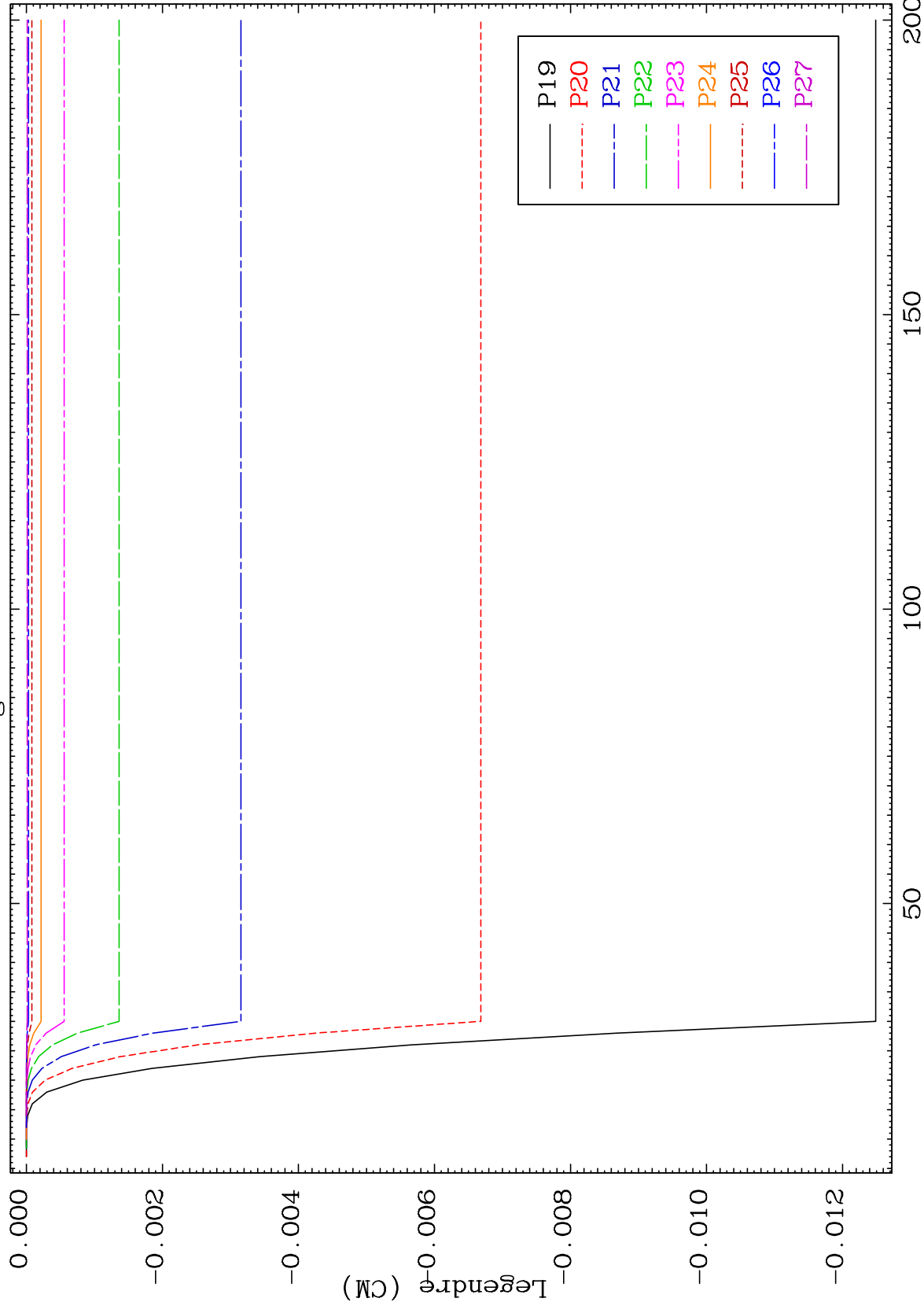
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-118



53

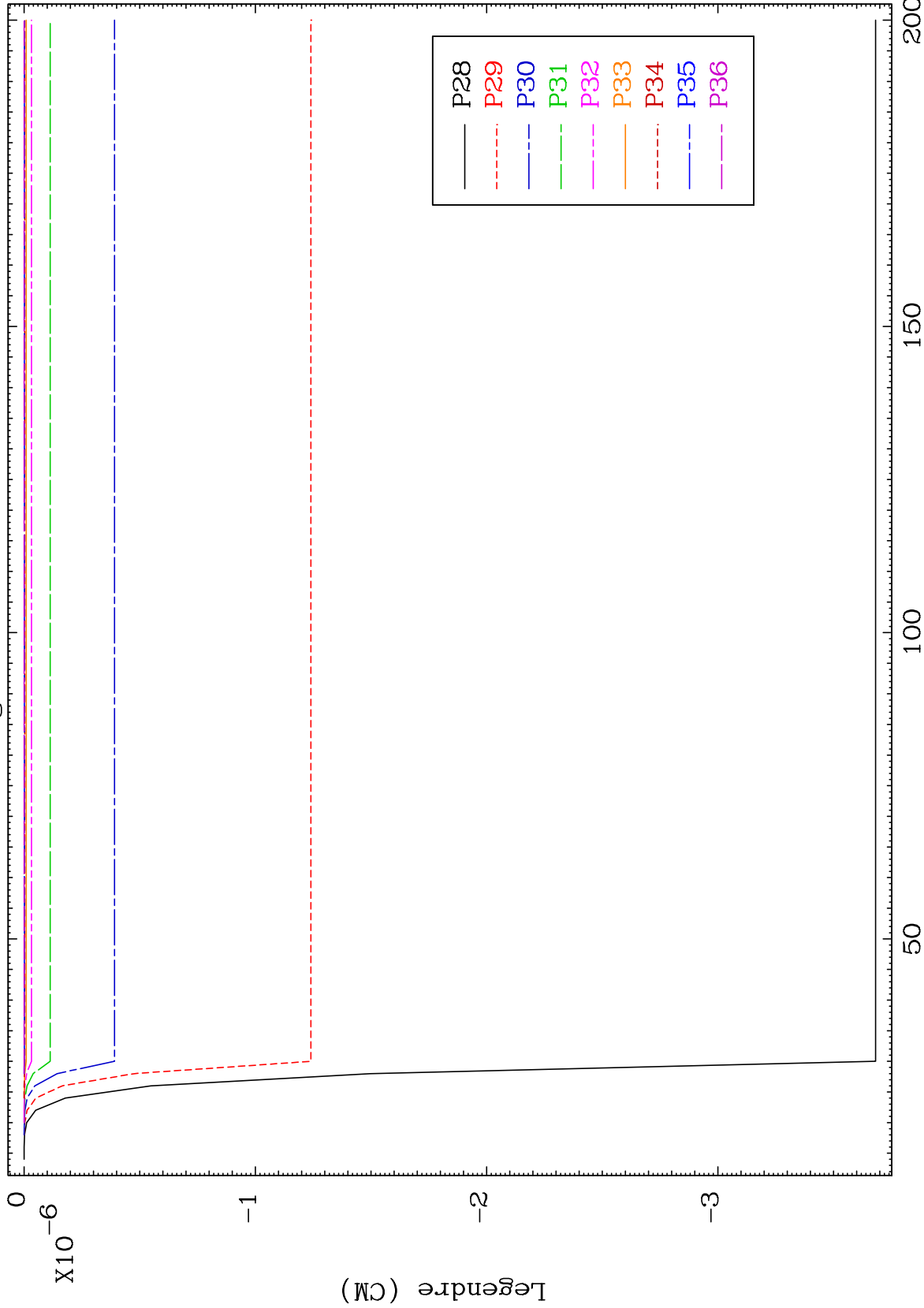
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 59 (n,n') Level
Legendre Coefficients

54-Xe-118



54

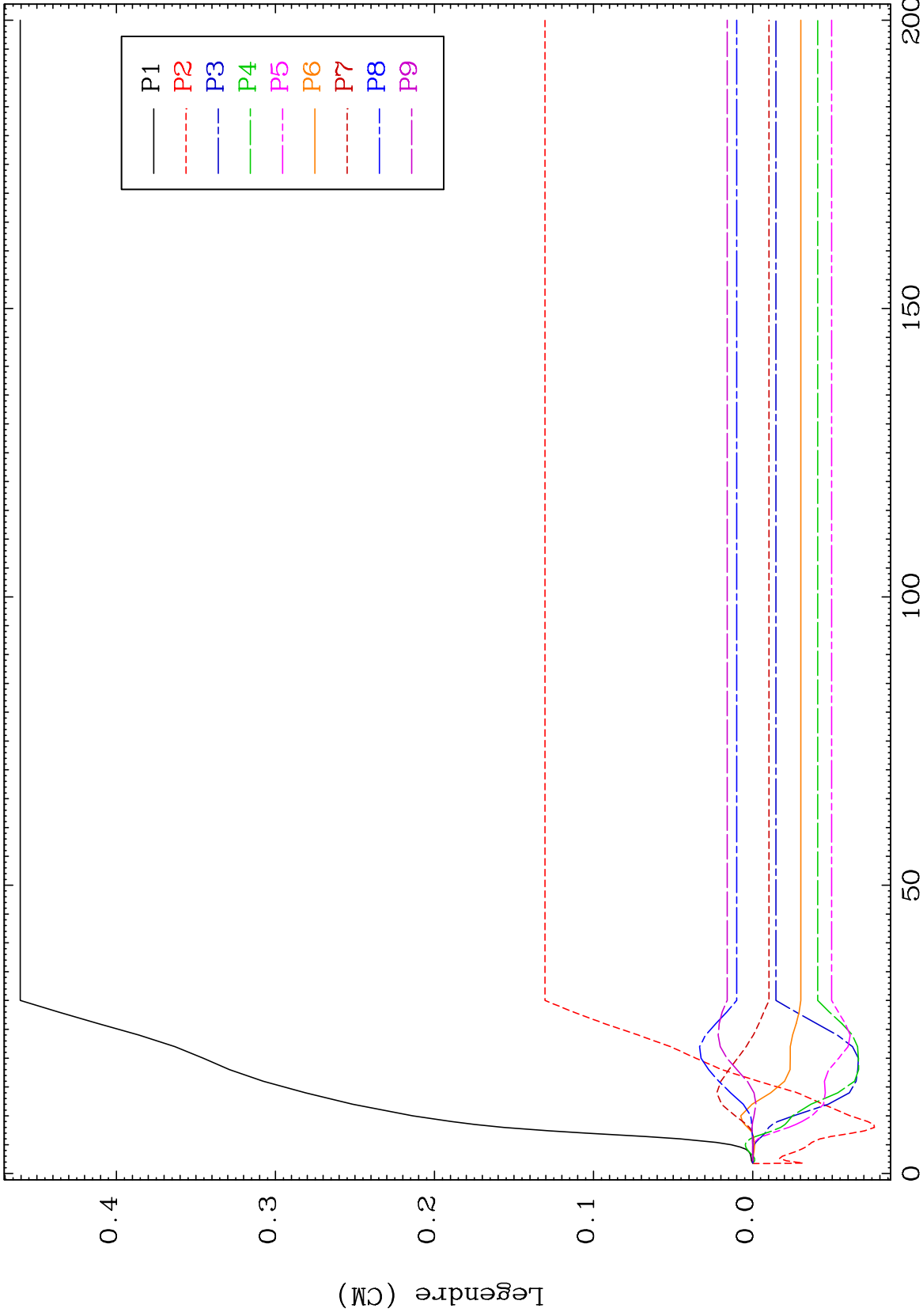
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-118



55

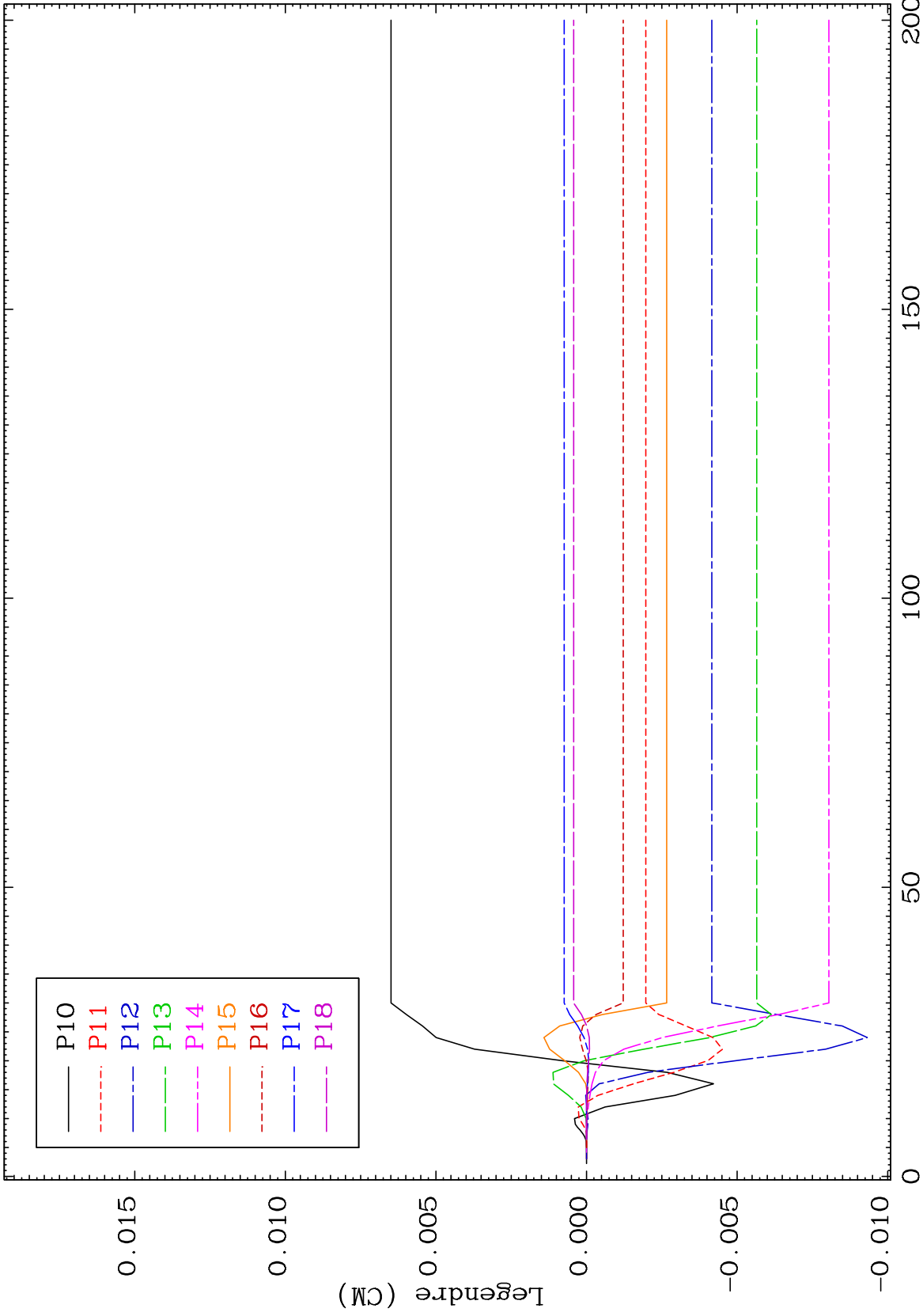
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-118



56

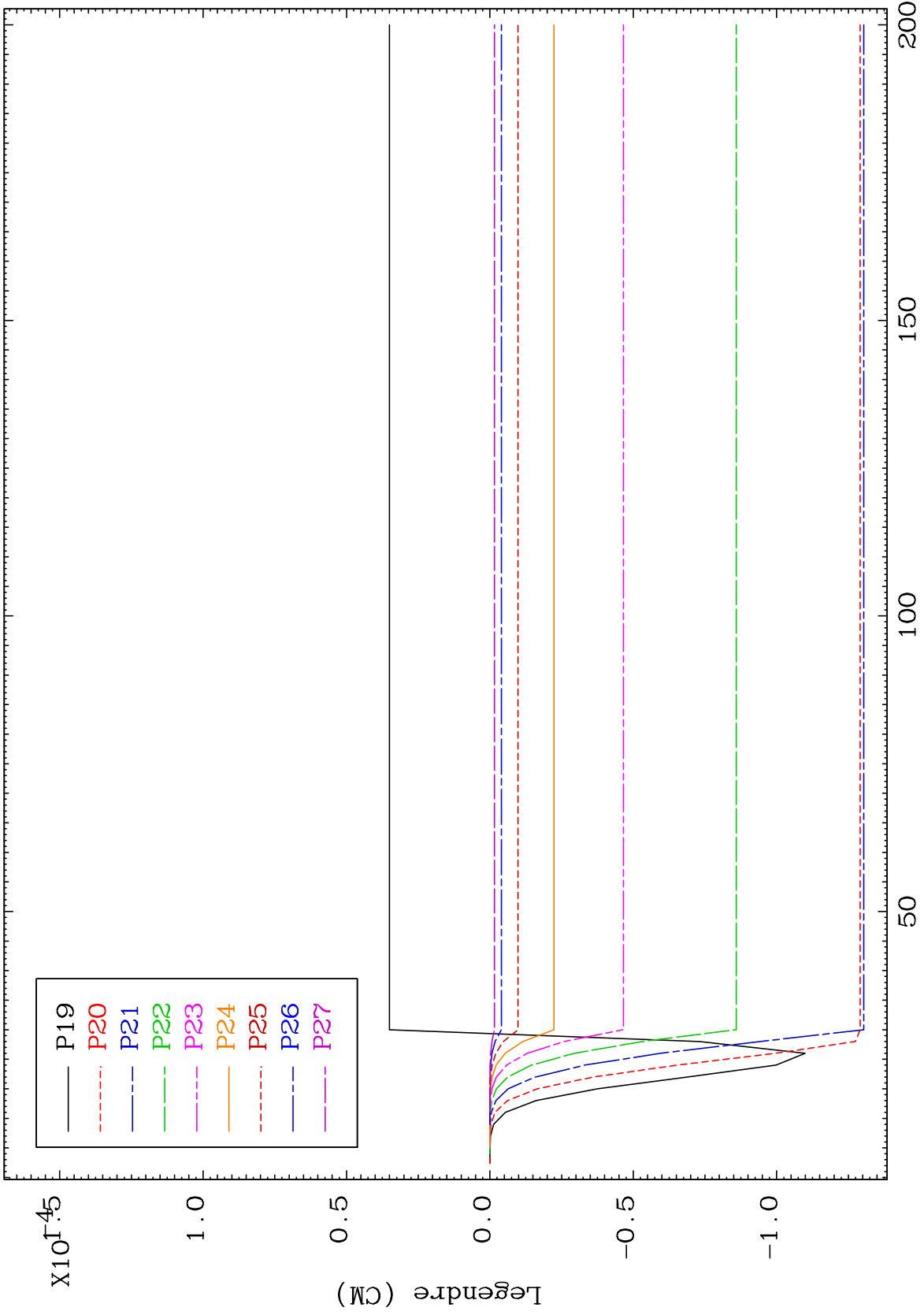
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-118



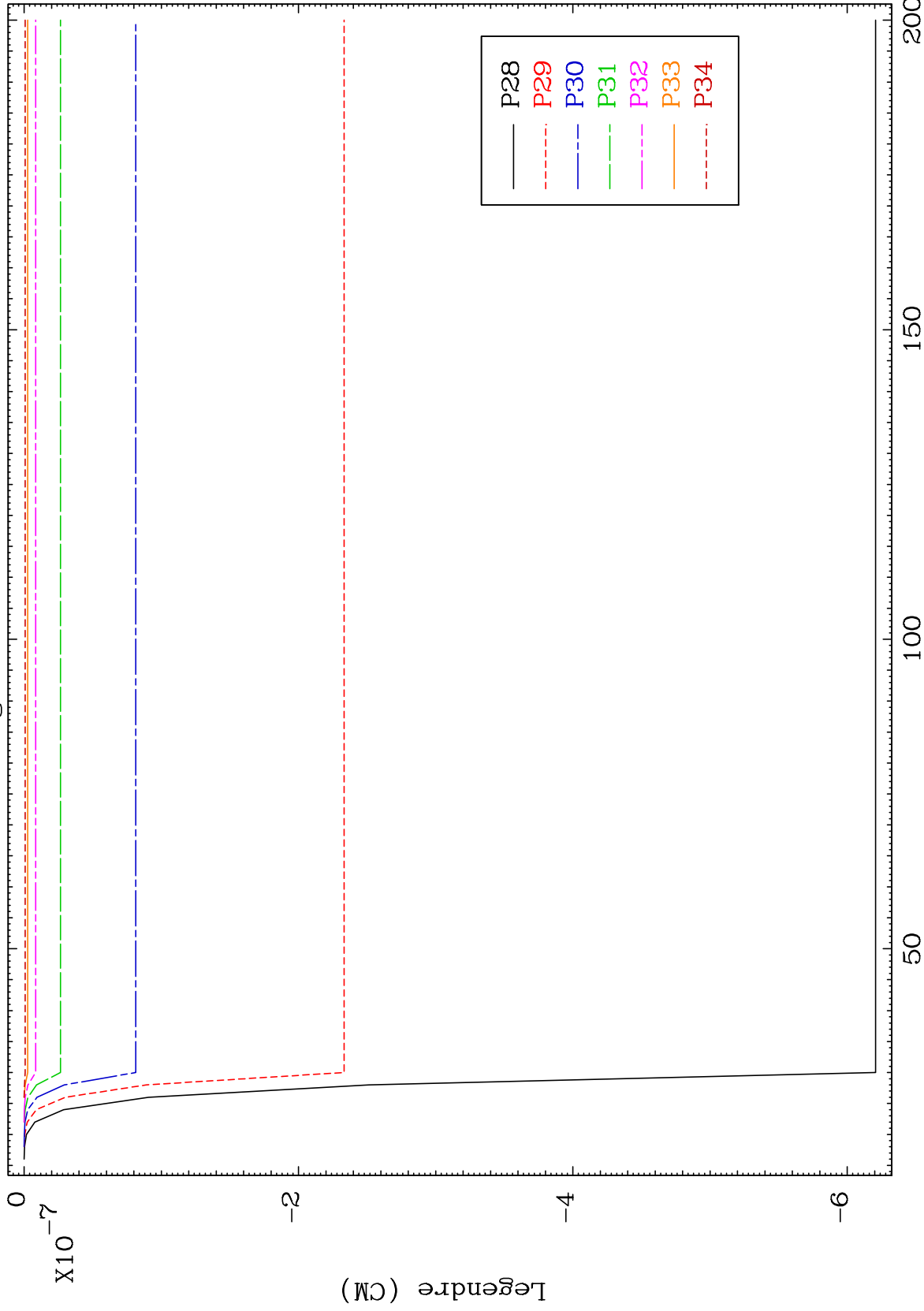
57

54-Xe-118

MAT 5407

MT= 60 (n,n') Level
Legendre Coefficients

54-Xe-118



58

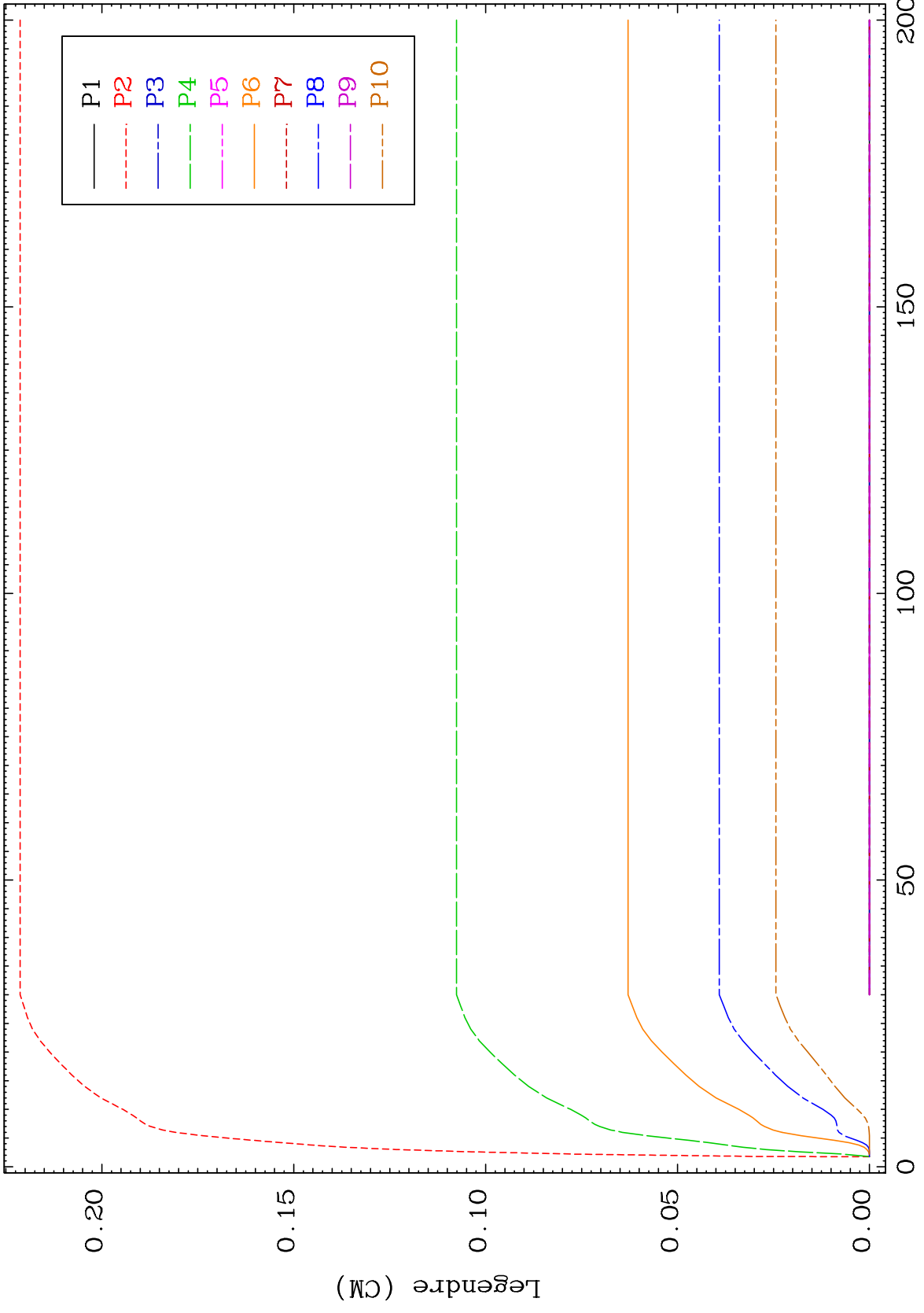
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 61 (n,n') Level
Legendre Coefficients

54-Xe-118



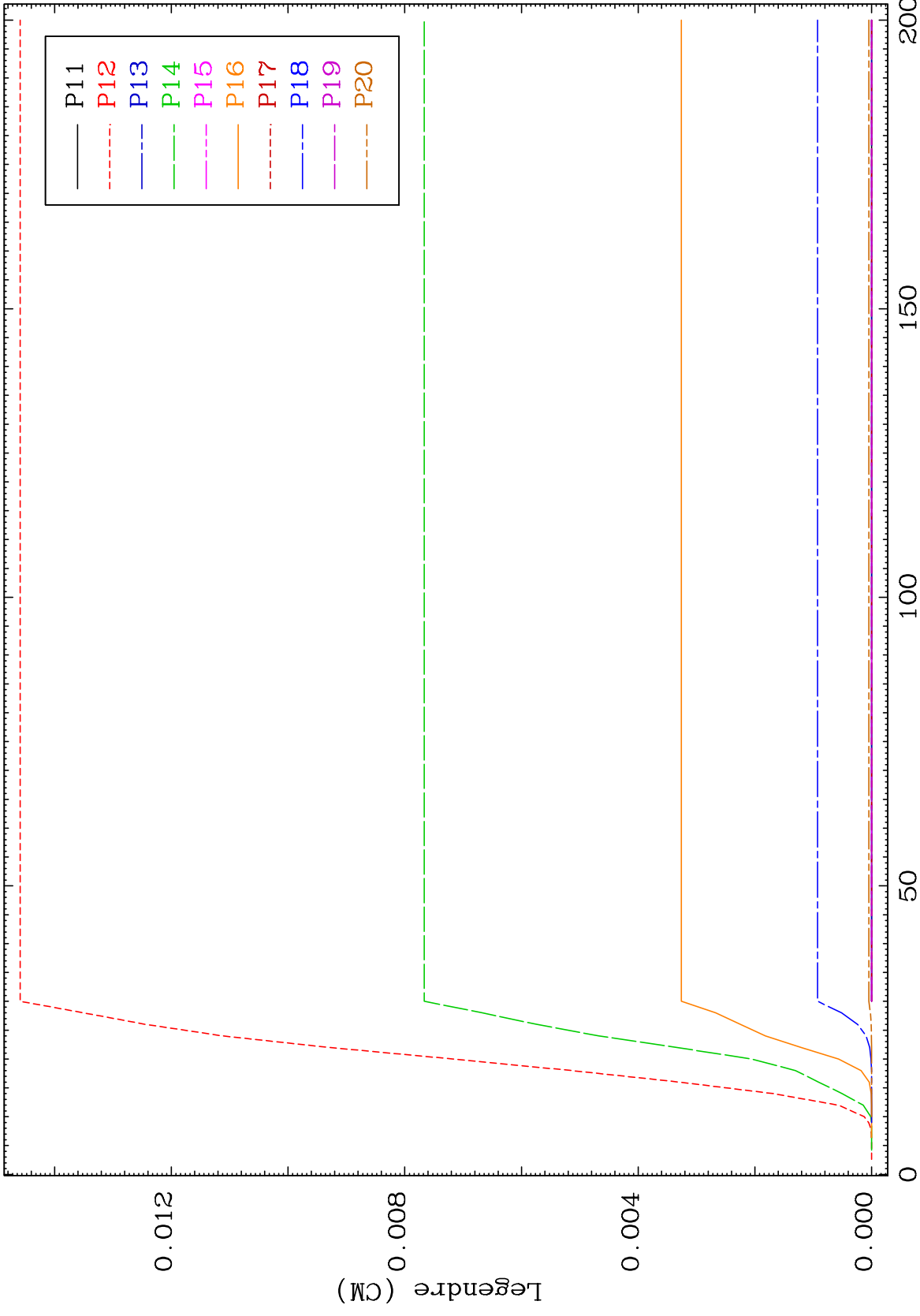
59

54-Xe-118

MAT 5407

MT= 61 (n,n') Level
Legendre Coefficients

54-Xe-118



60

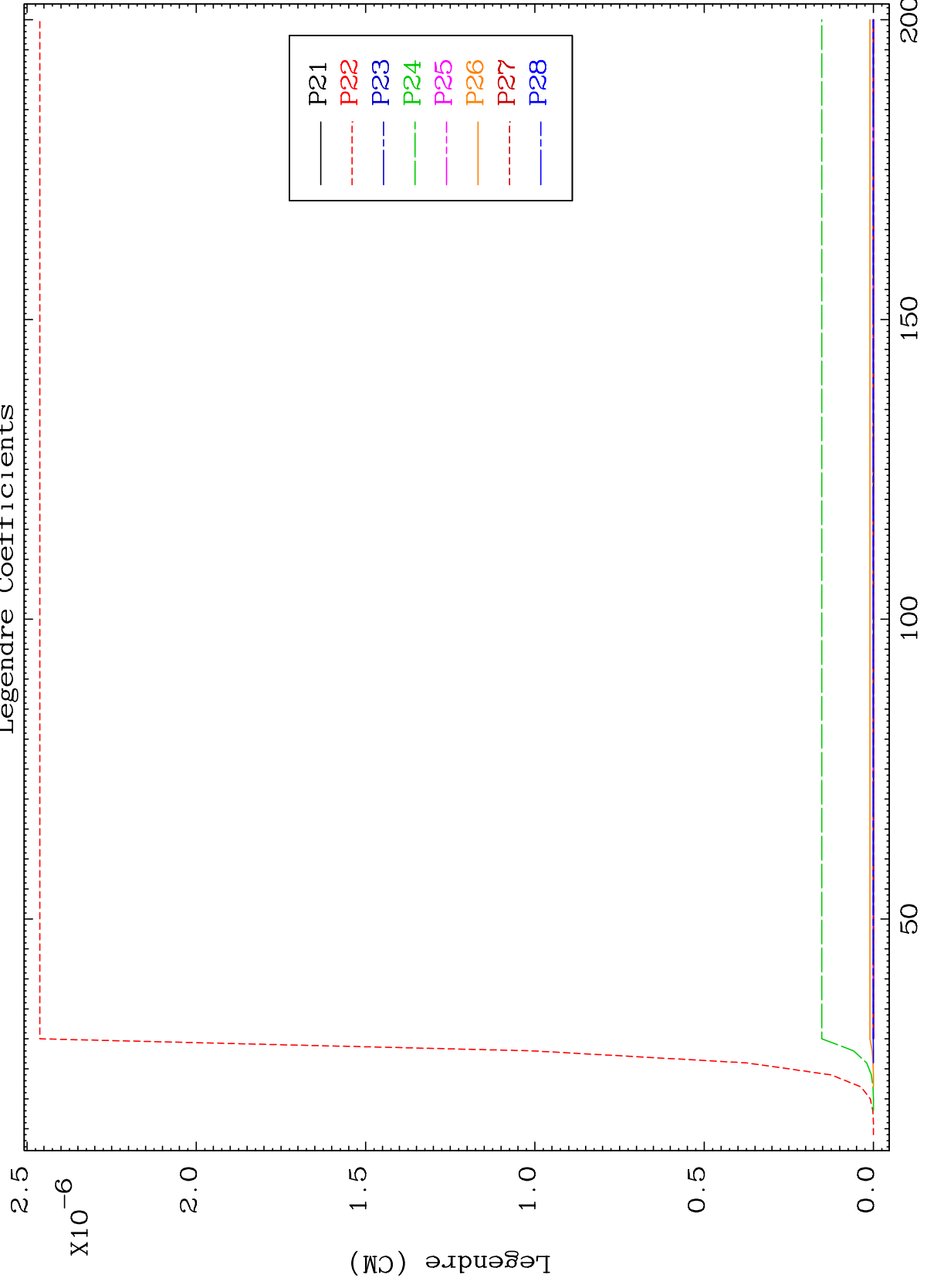
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 61 (n,n') Level
Legendre Coefficients

54-Xe-118

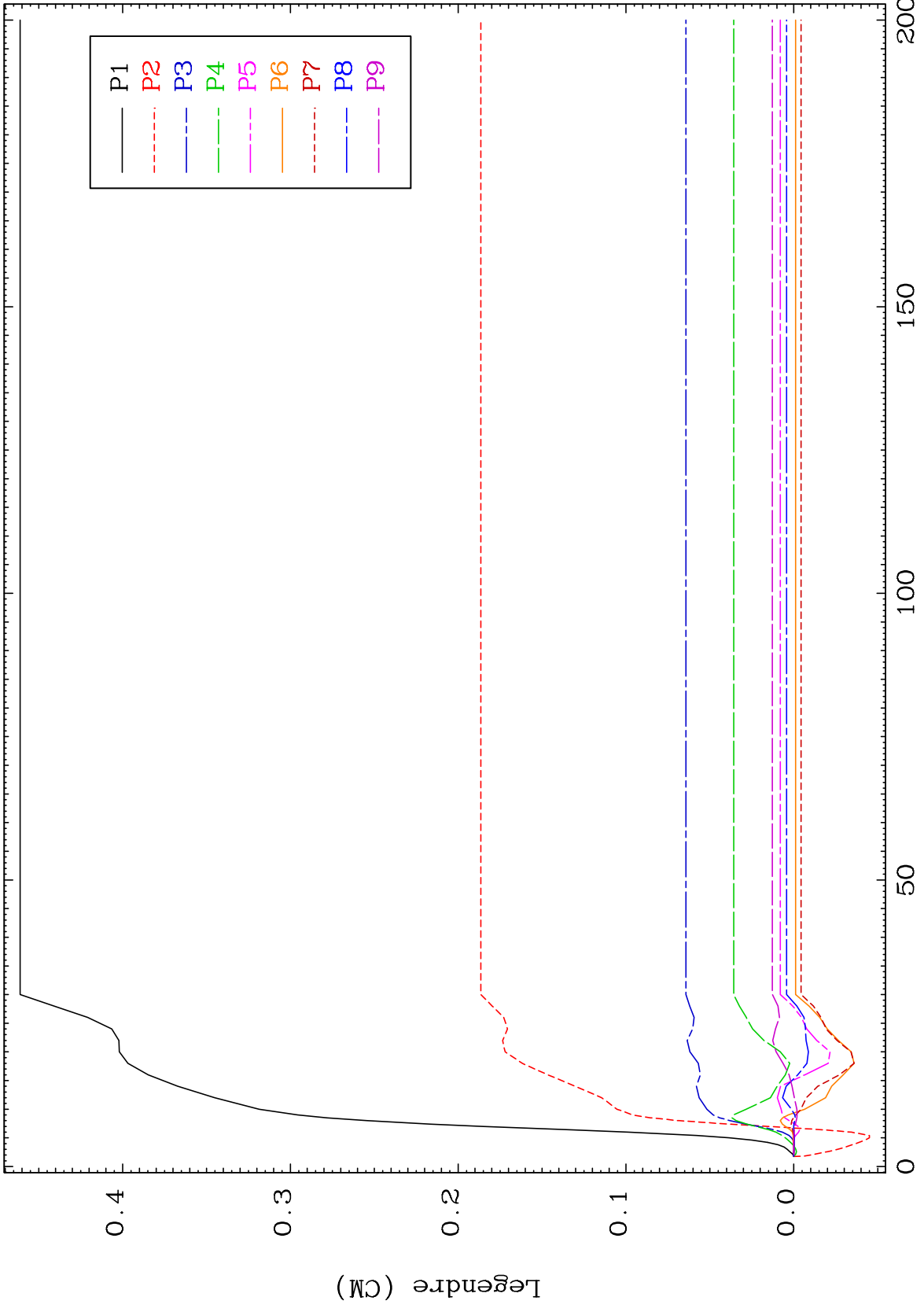


61

MAT 5407

MT= 62 (n,n') Level
Legendre Coefficients

54-Xe-118



62

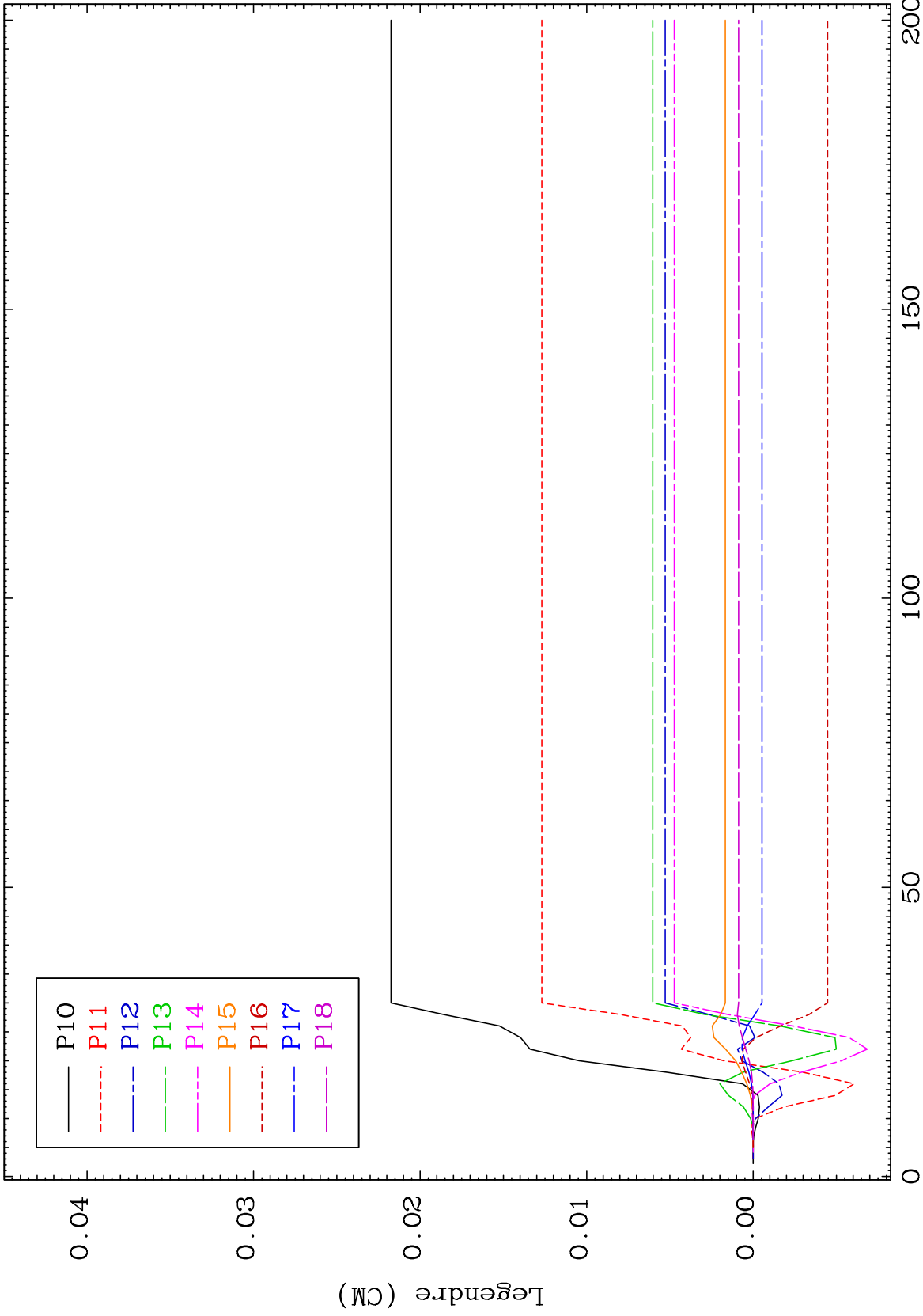
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 62 (n,n') Level
Legendre Coefficients

54-Xe-118



63

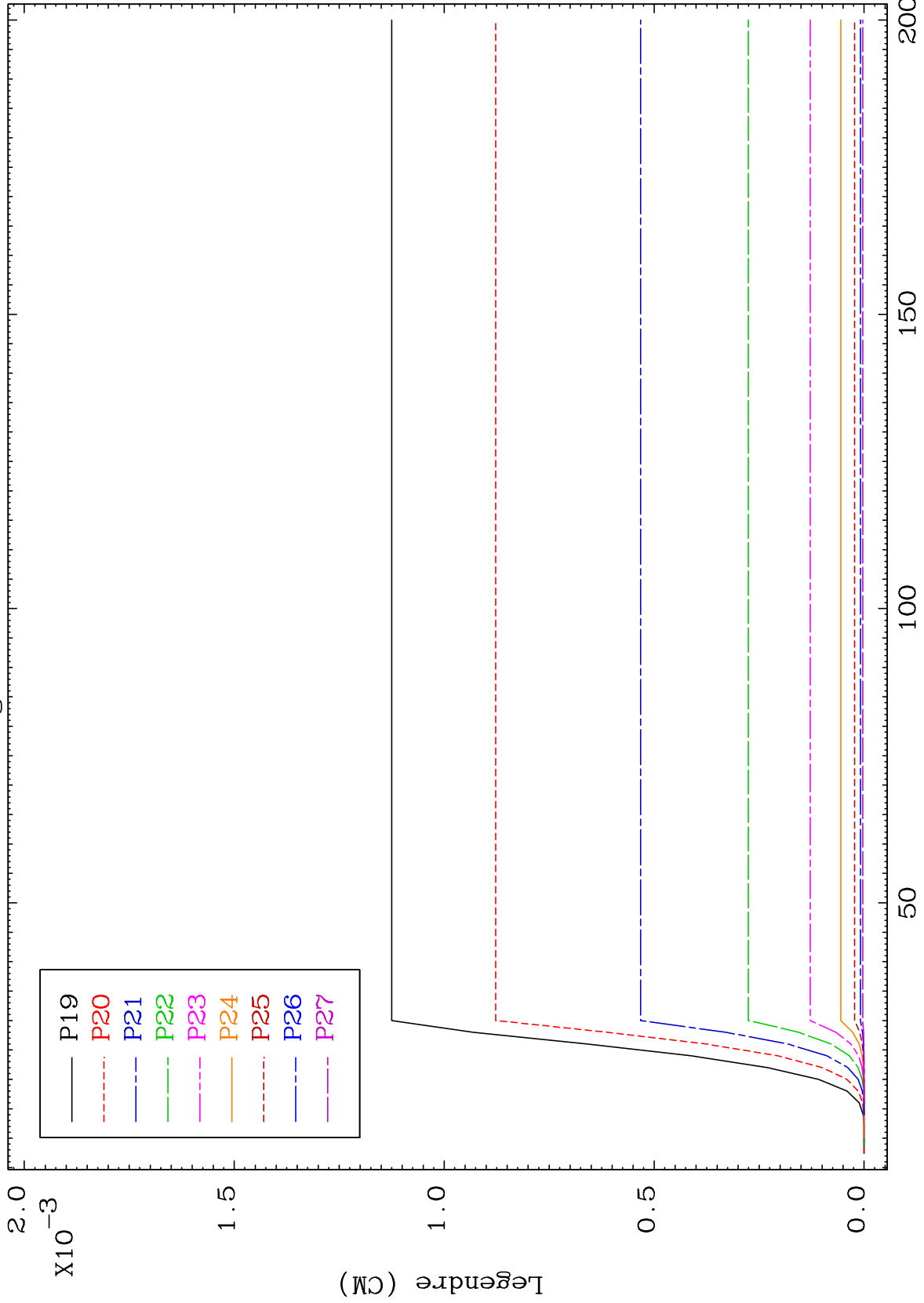
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 62 (n,n') Level
Legendre Coefficients

54-Xe-118



64

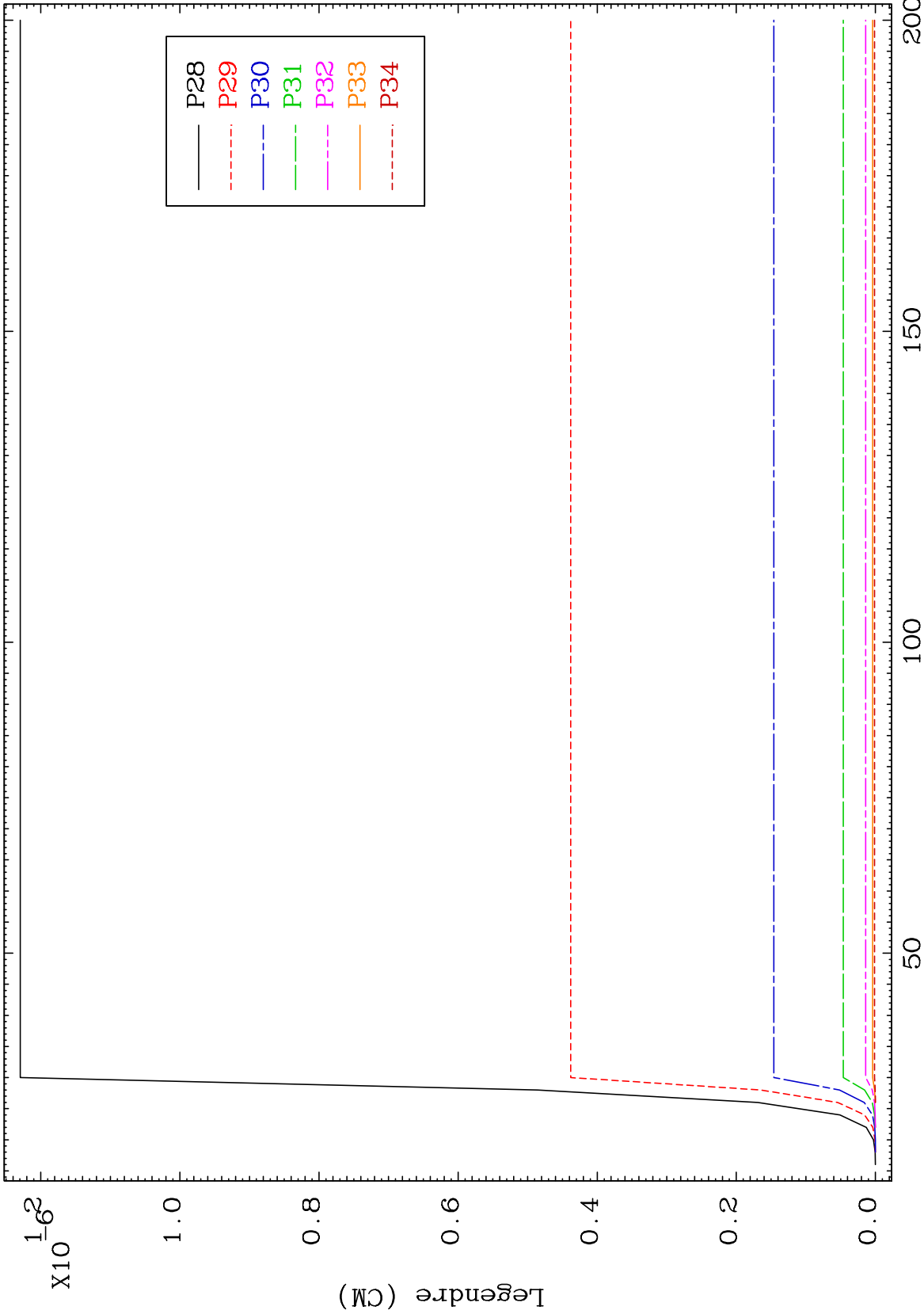
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 62 (n,n') Level
Legendre Coefficients

54-Xe-118



65

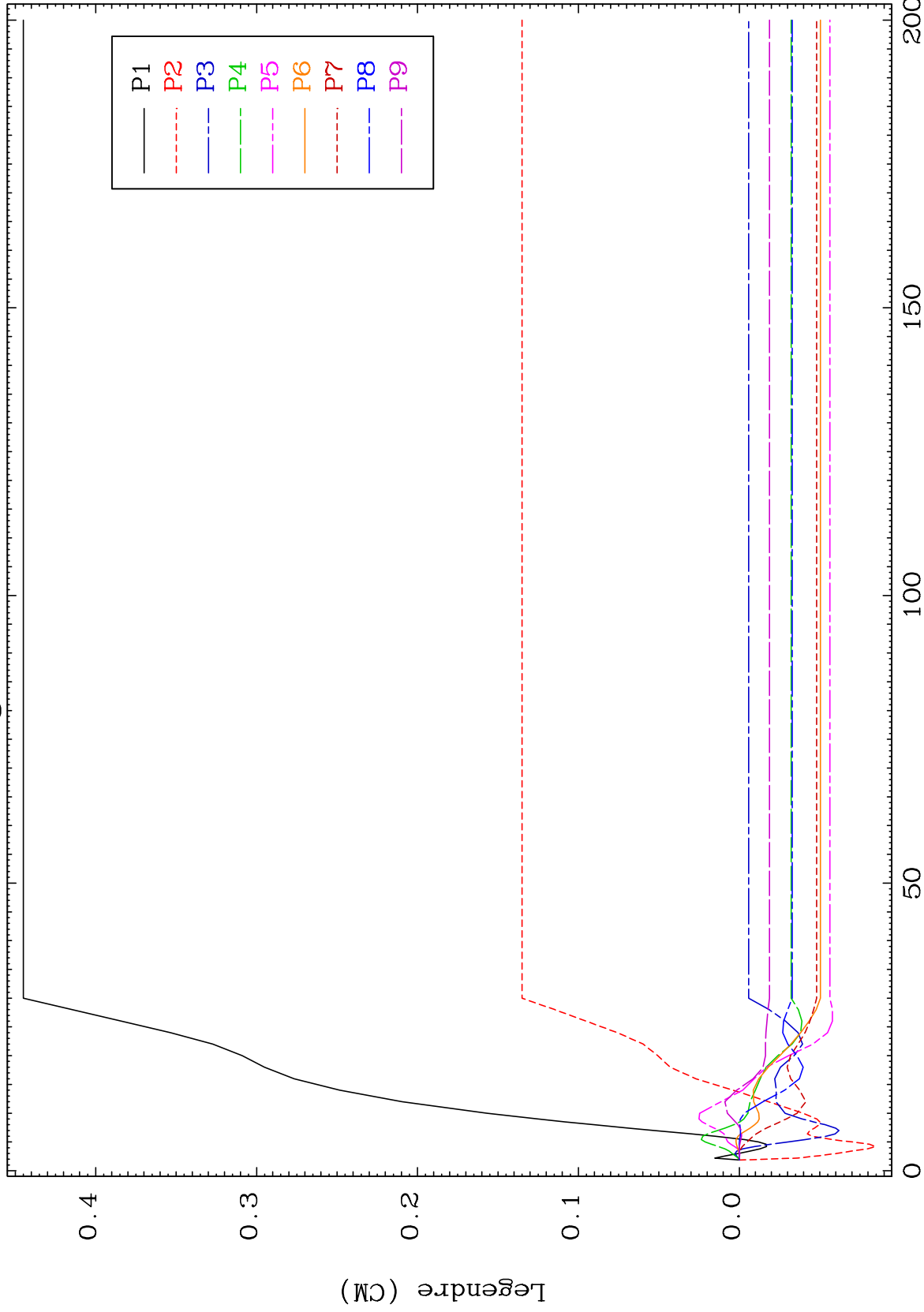
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-118



66

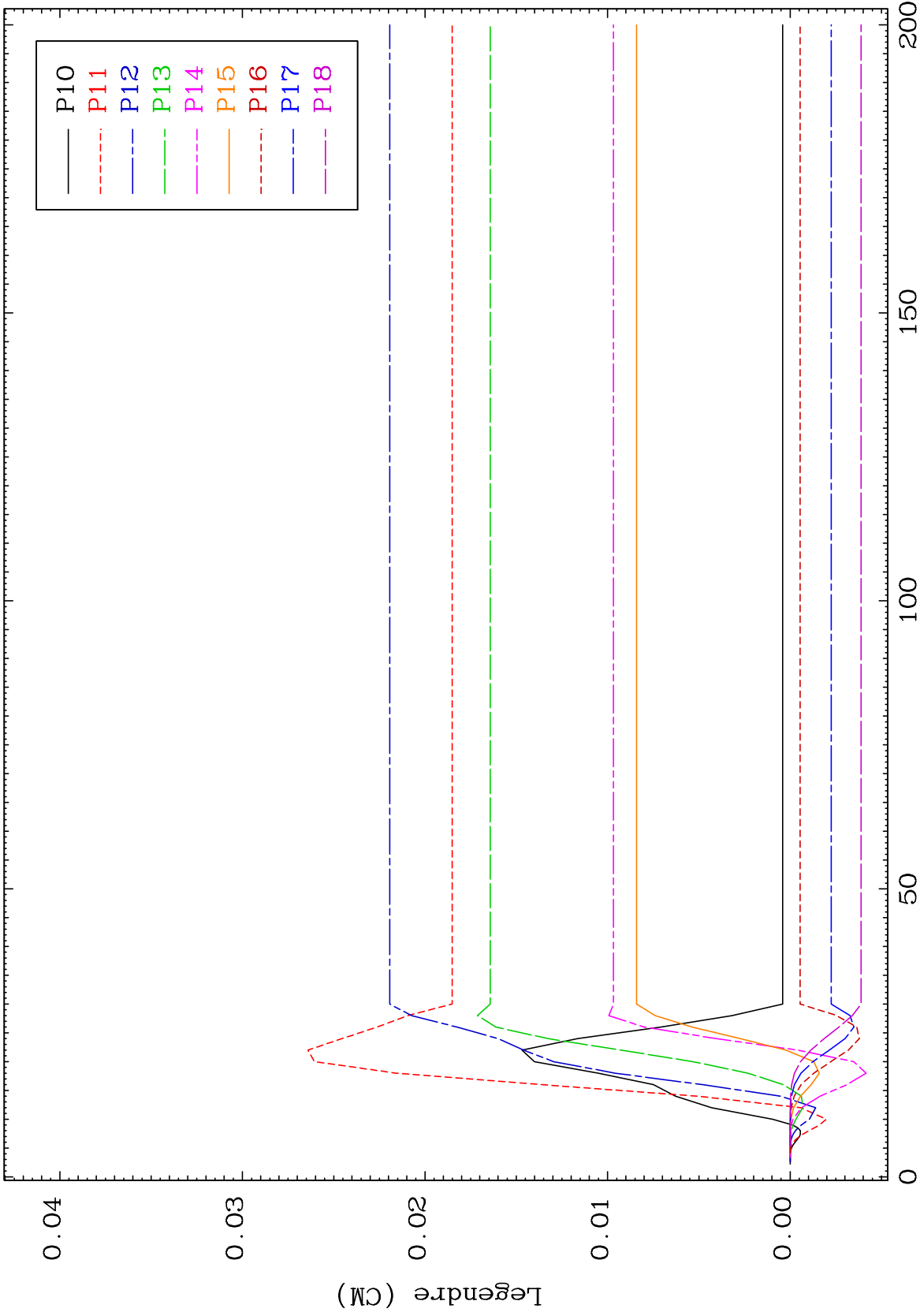
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-118



67

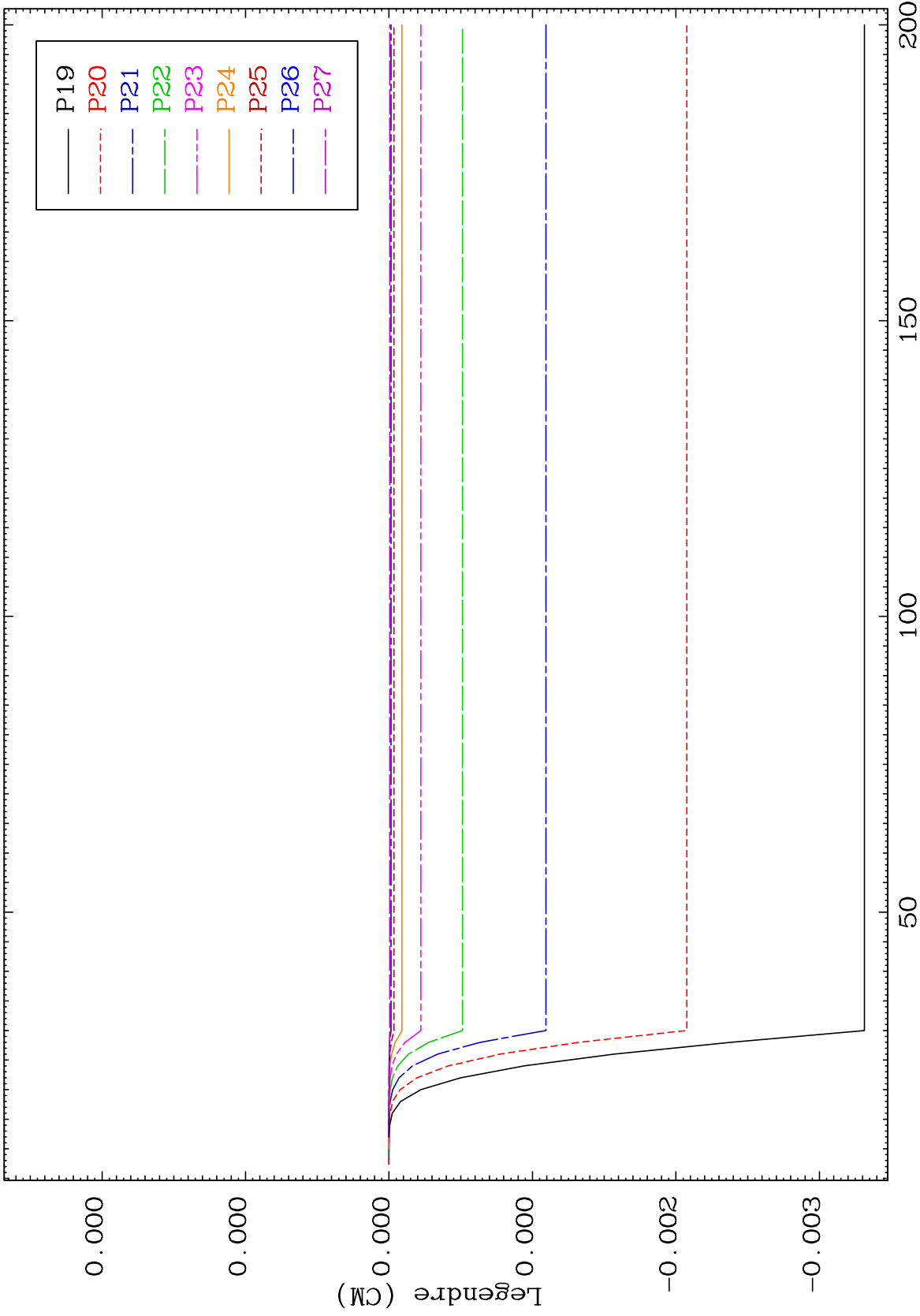
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-118



68

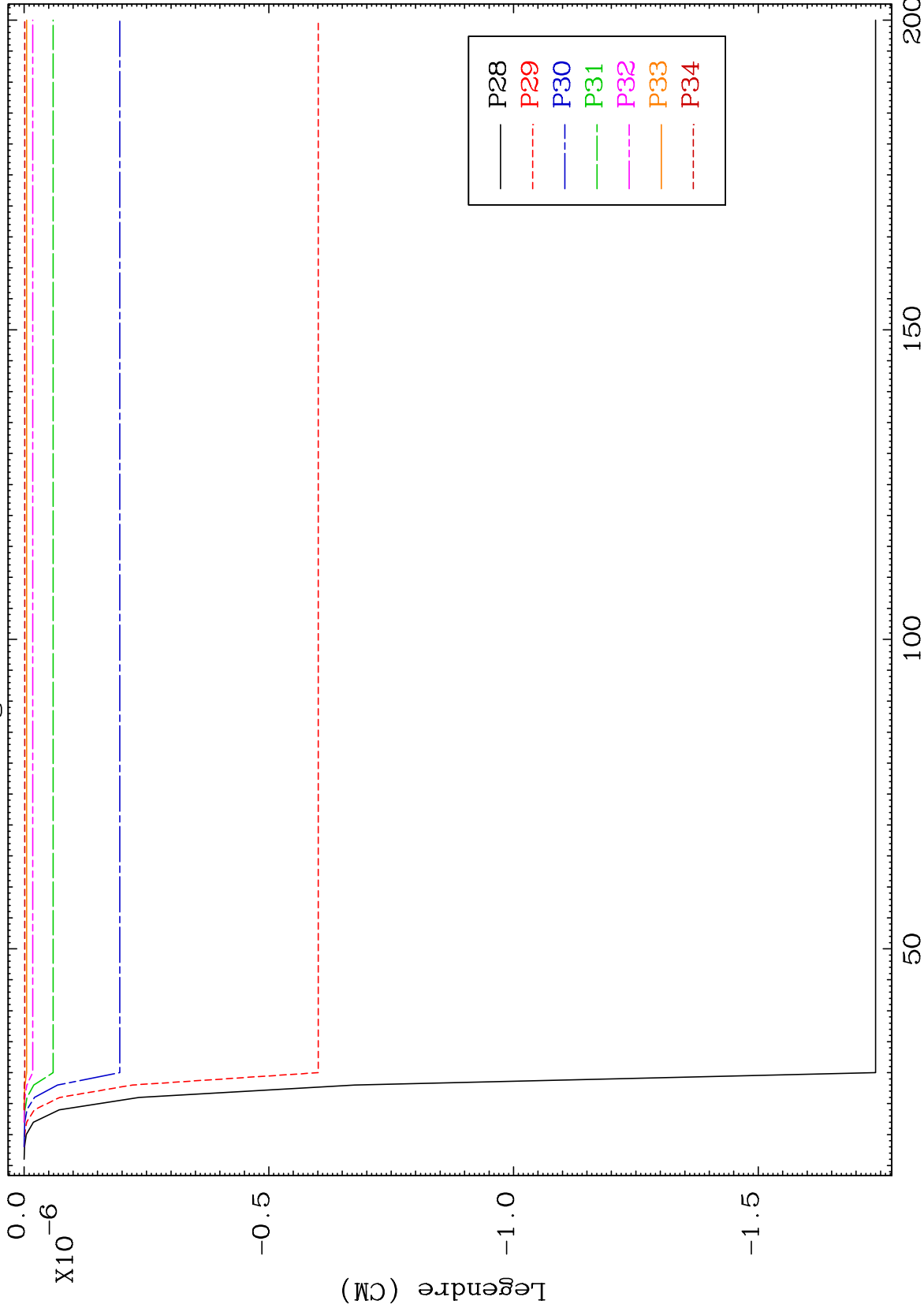
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 63 (n,n') Level
Legendre Coefficients

54-Xe-118



69

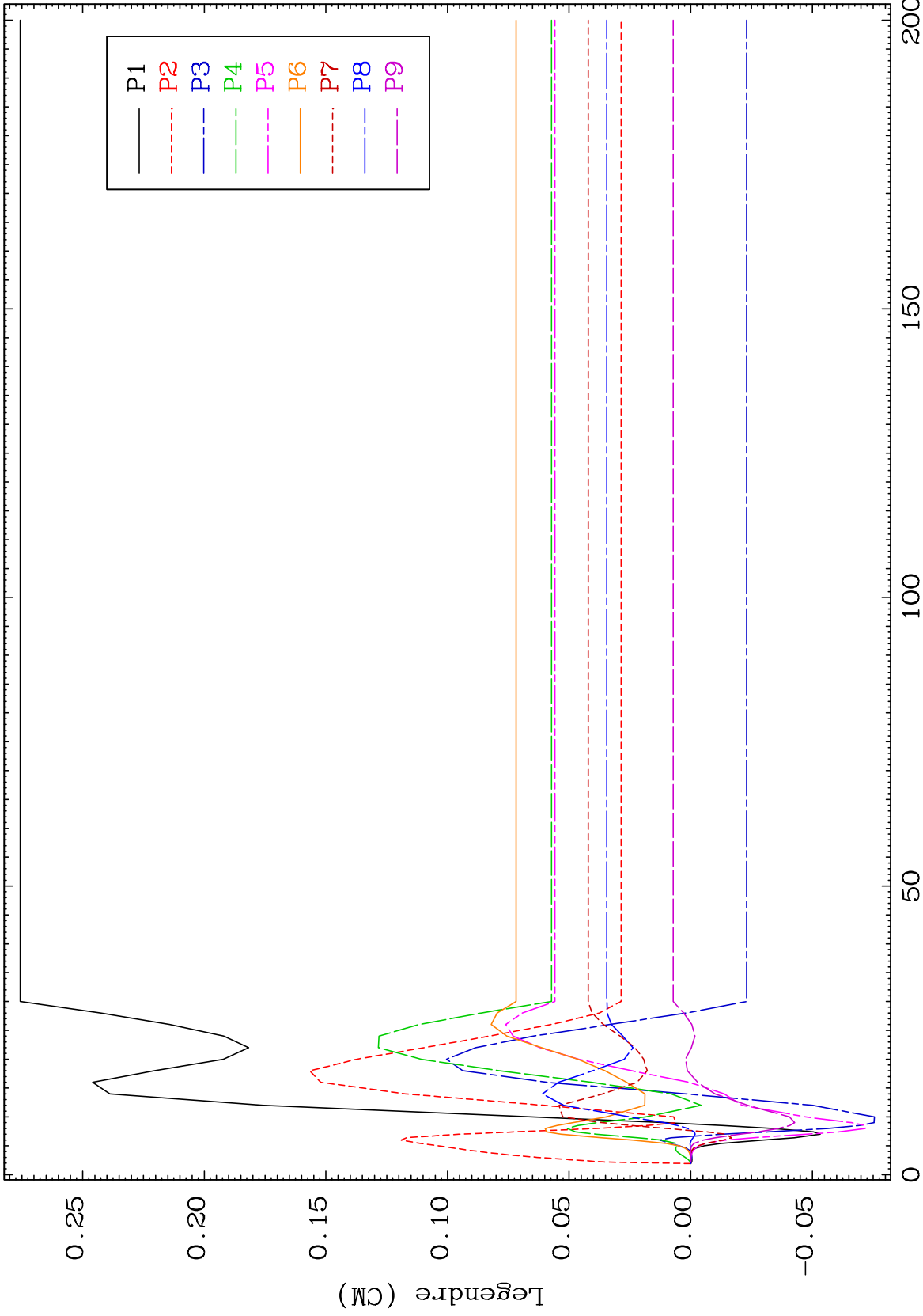
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

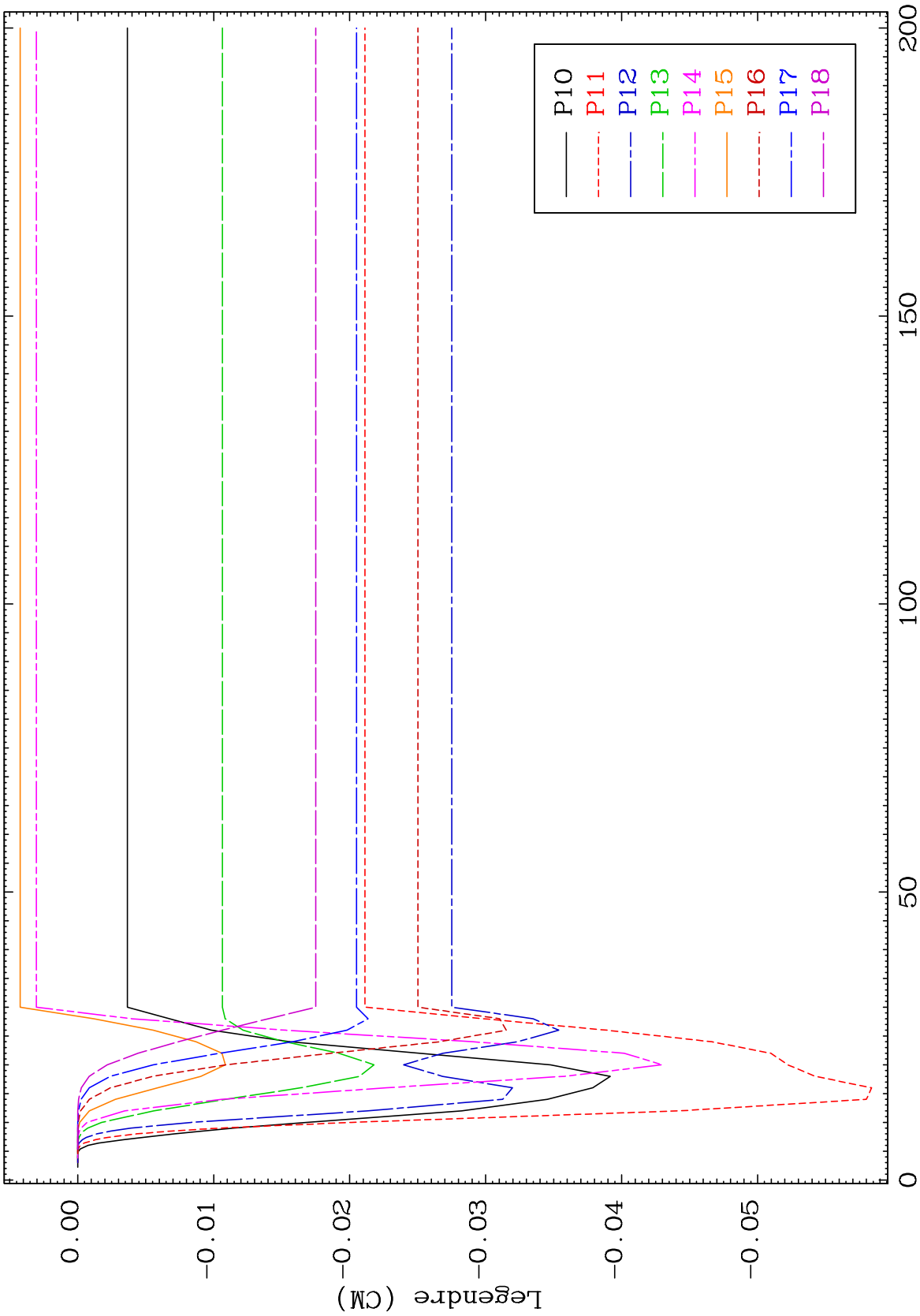
Incident Energy (MeV)

70

MAT 5407

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-118



71

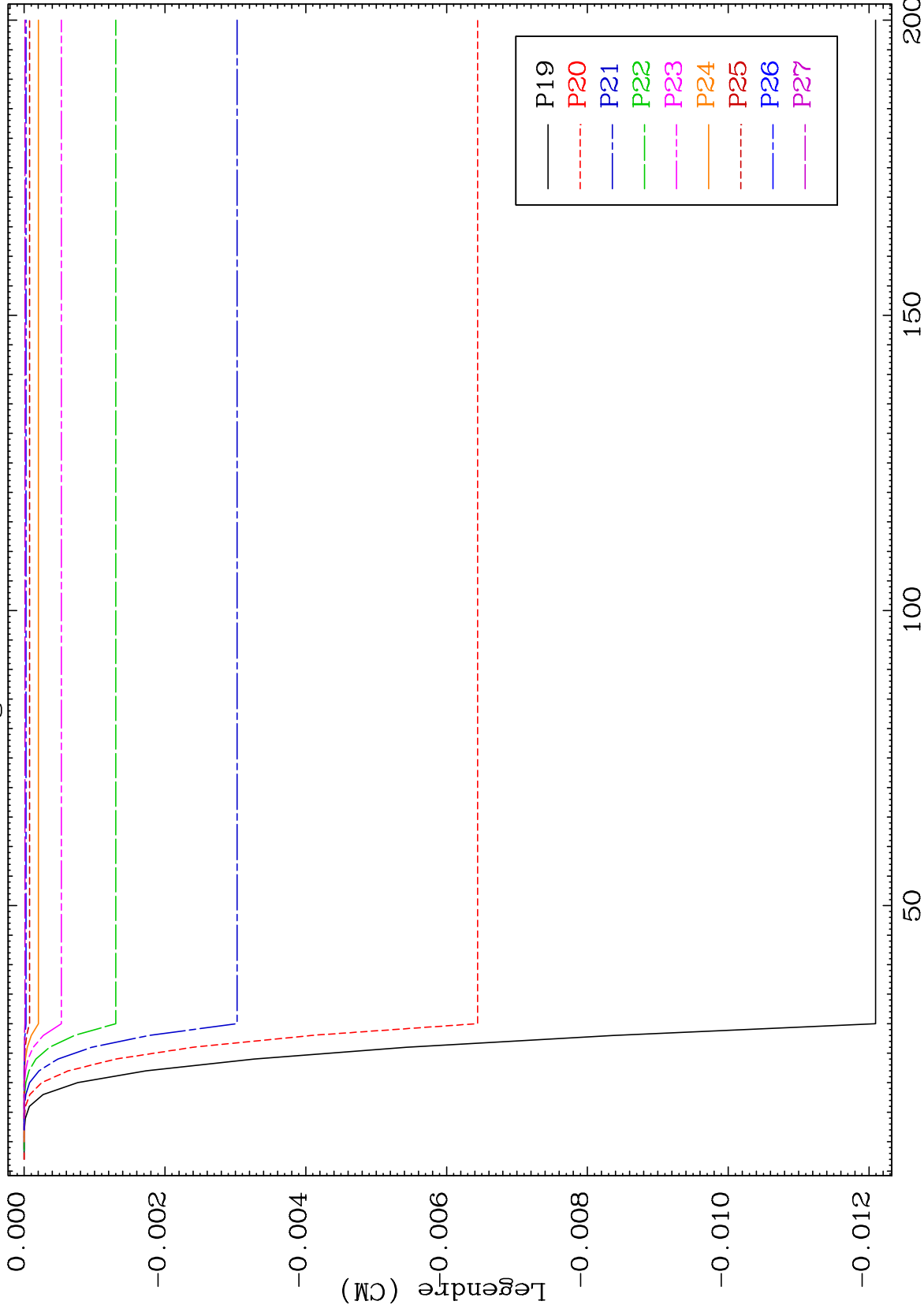
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

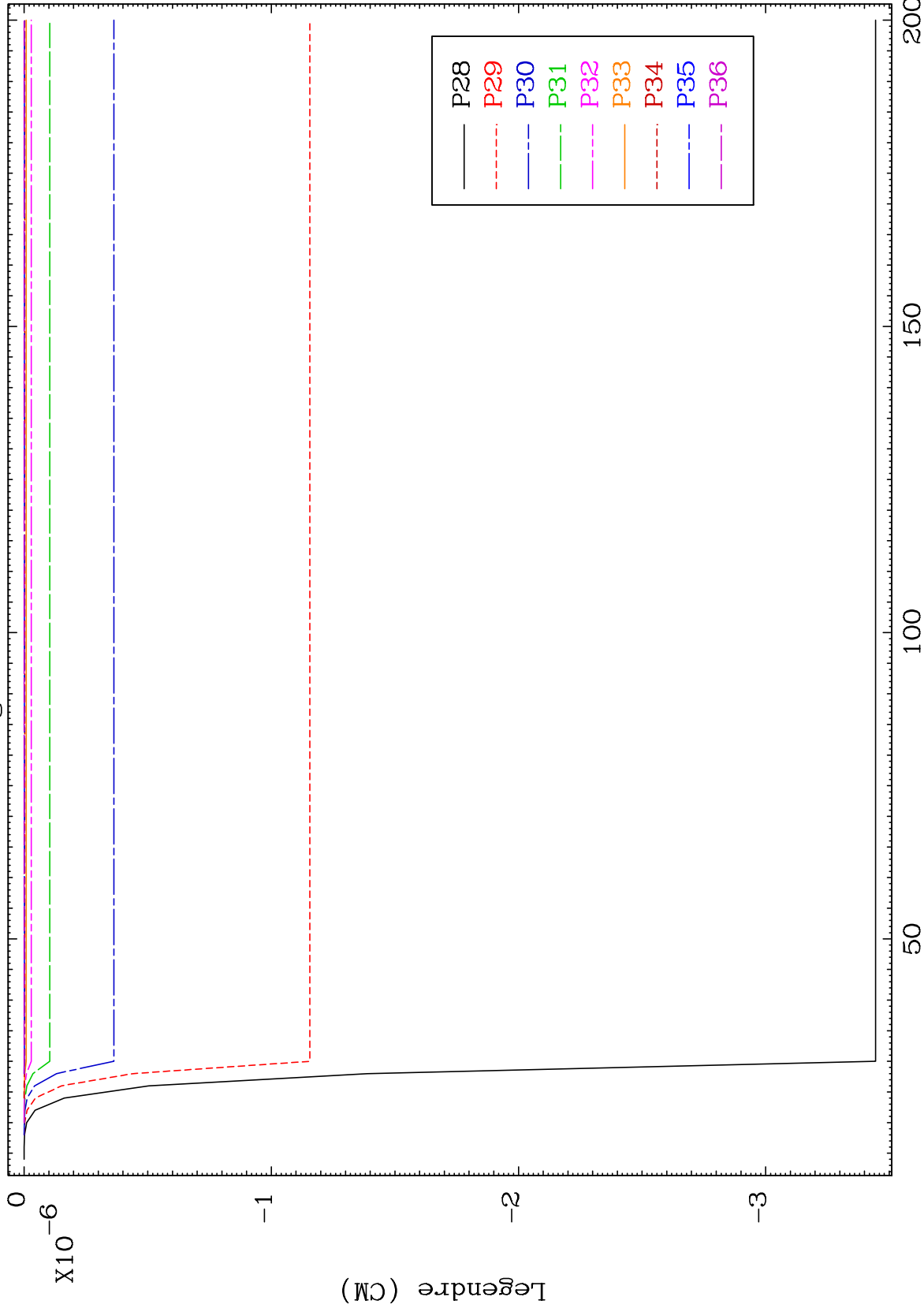
Incident Energy (MeV)

72

MAT 5407

MT= 64 (n,n') Level
Legendre Coefficients

54-Xe-118



73

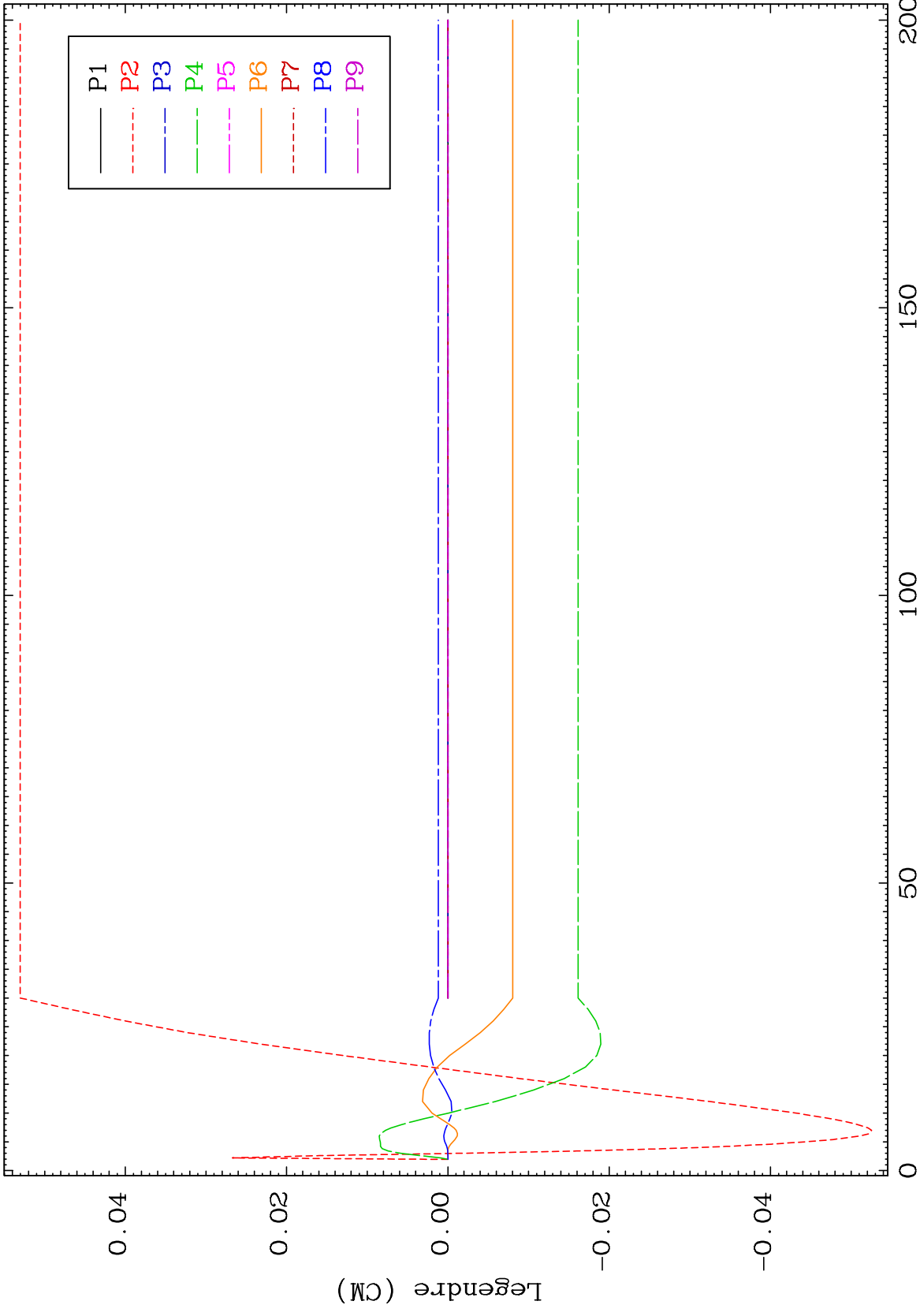
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-118



74

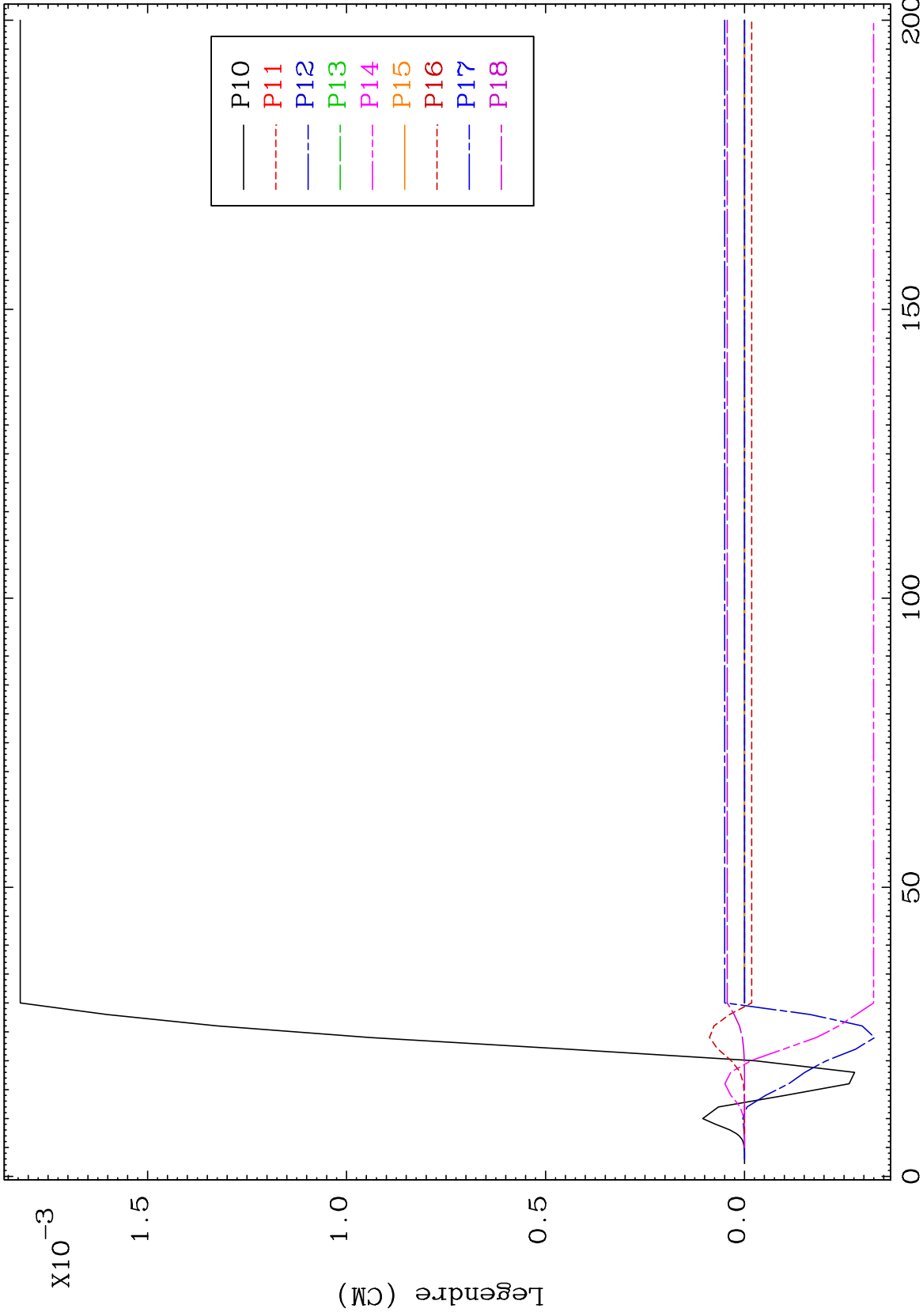
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-118



75

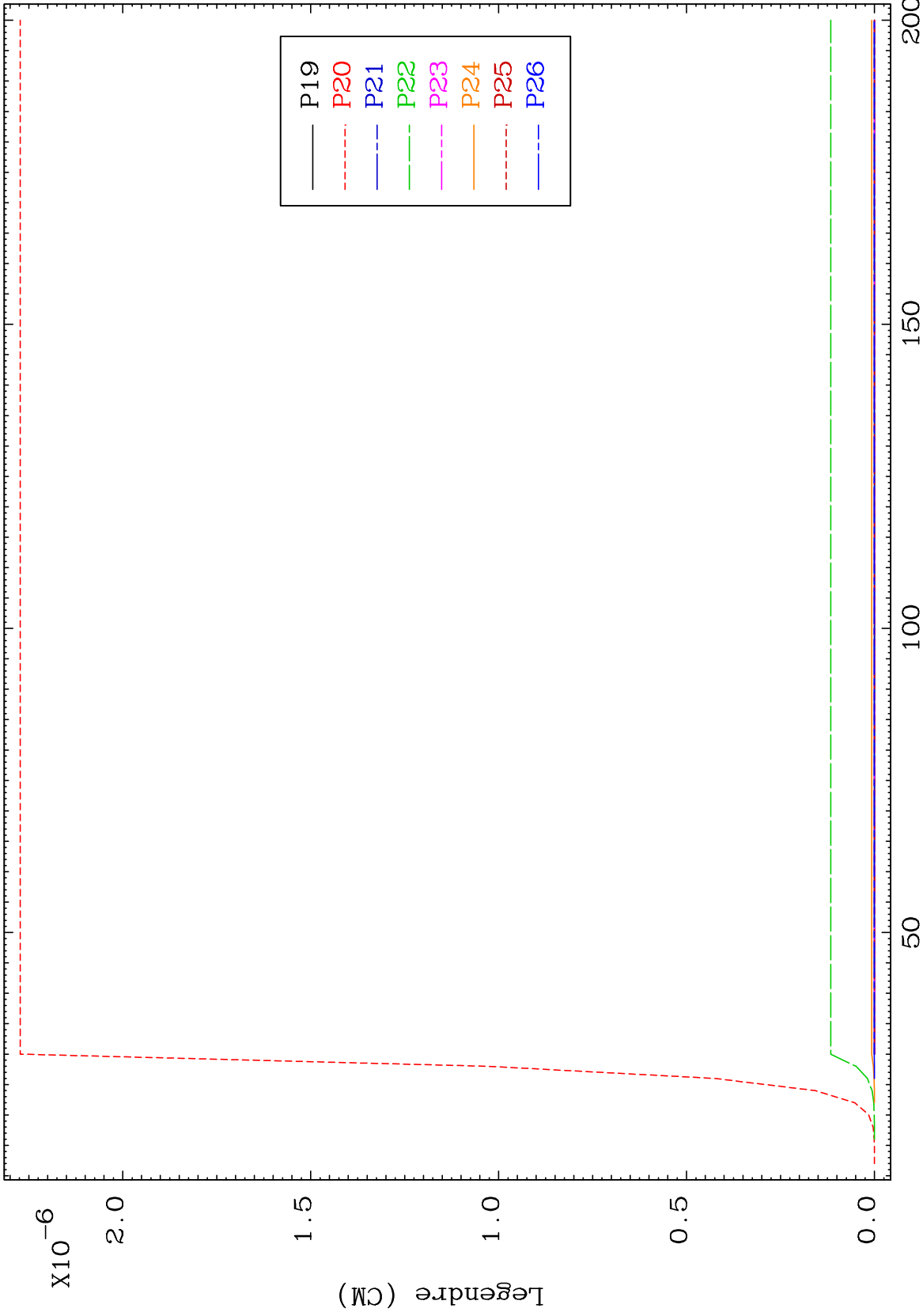
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 65 (n,n') Level
Legendre Coefficients

54-Xe-118



76

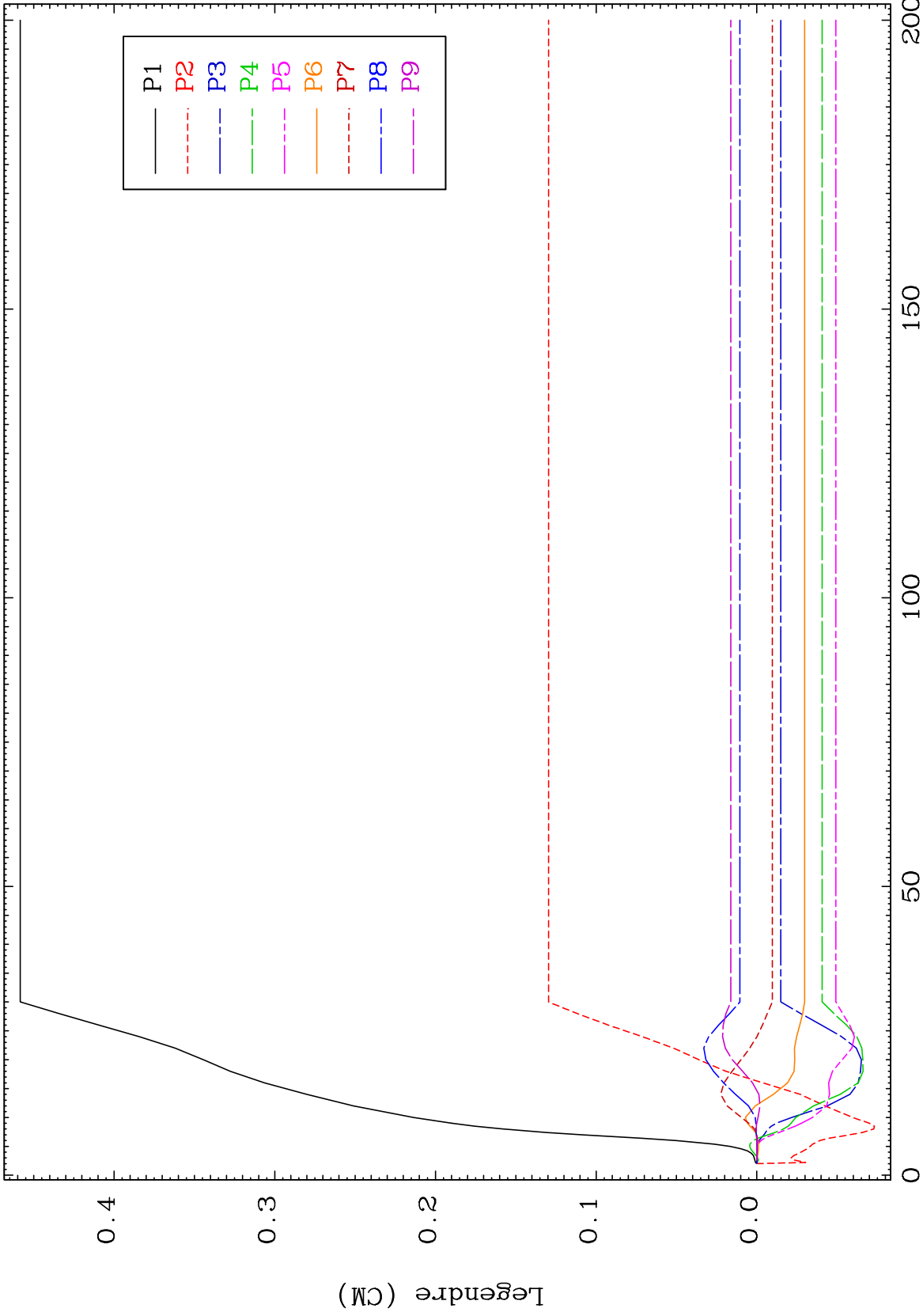
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-118



77

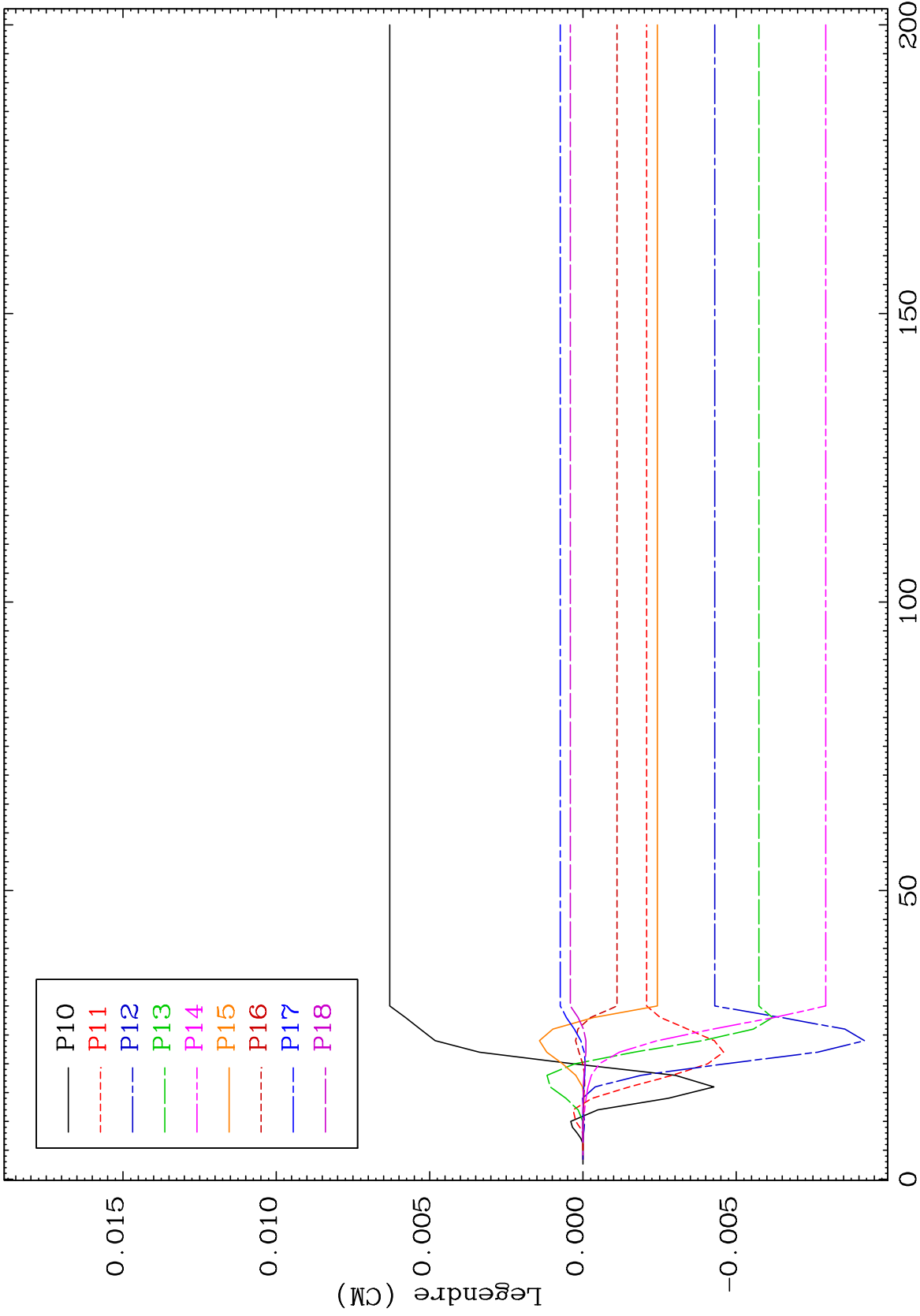
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-118



78

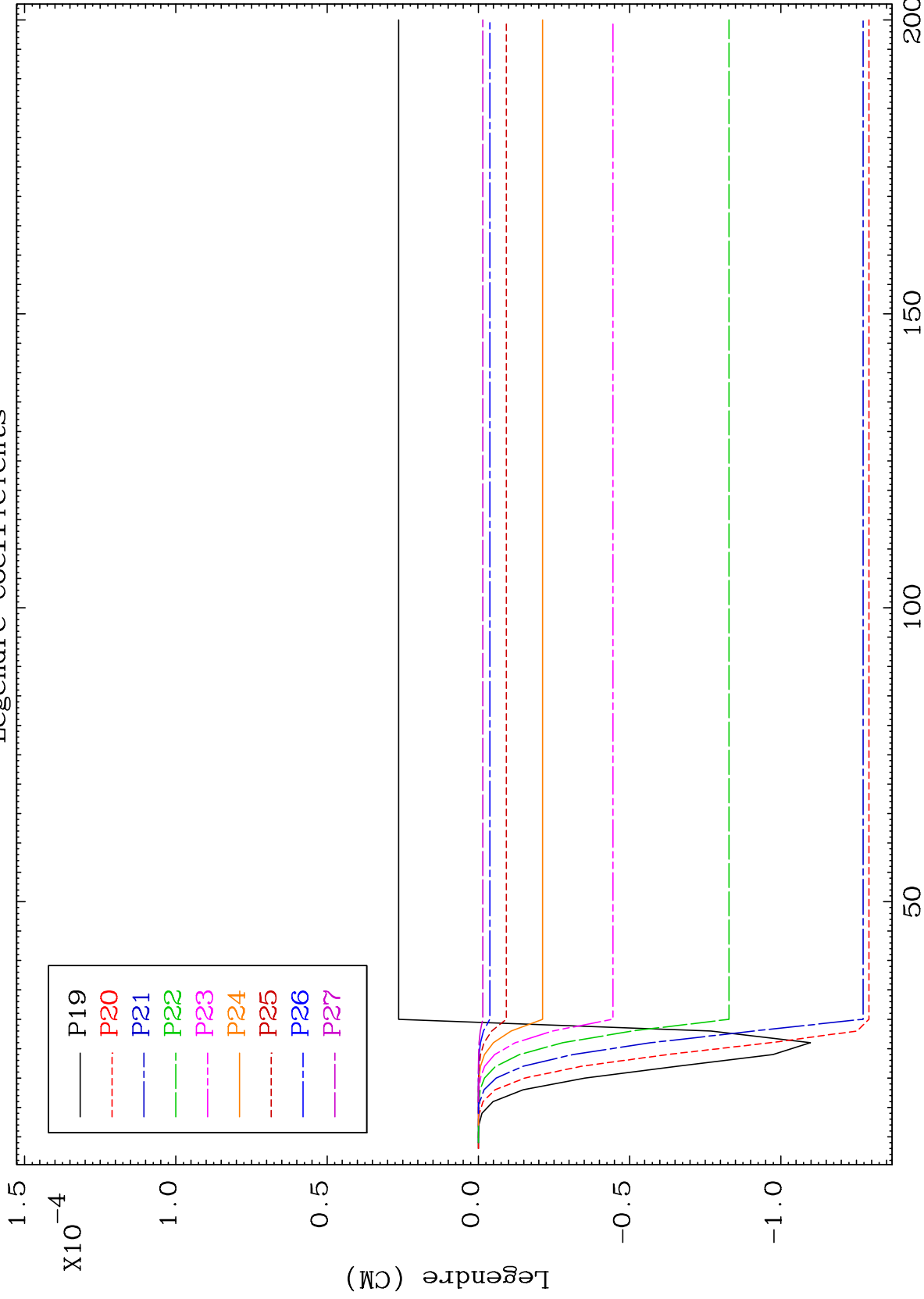
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 66 (n,n') Level
Legendre Coefficients

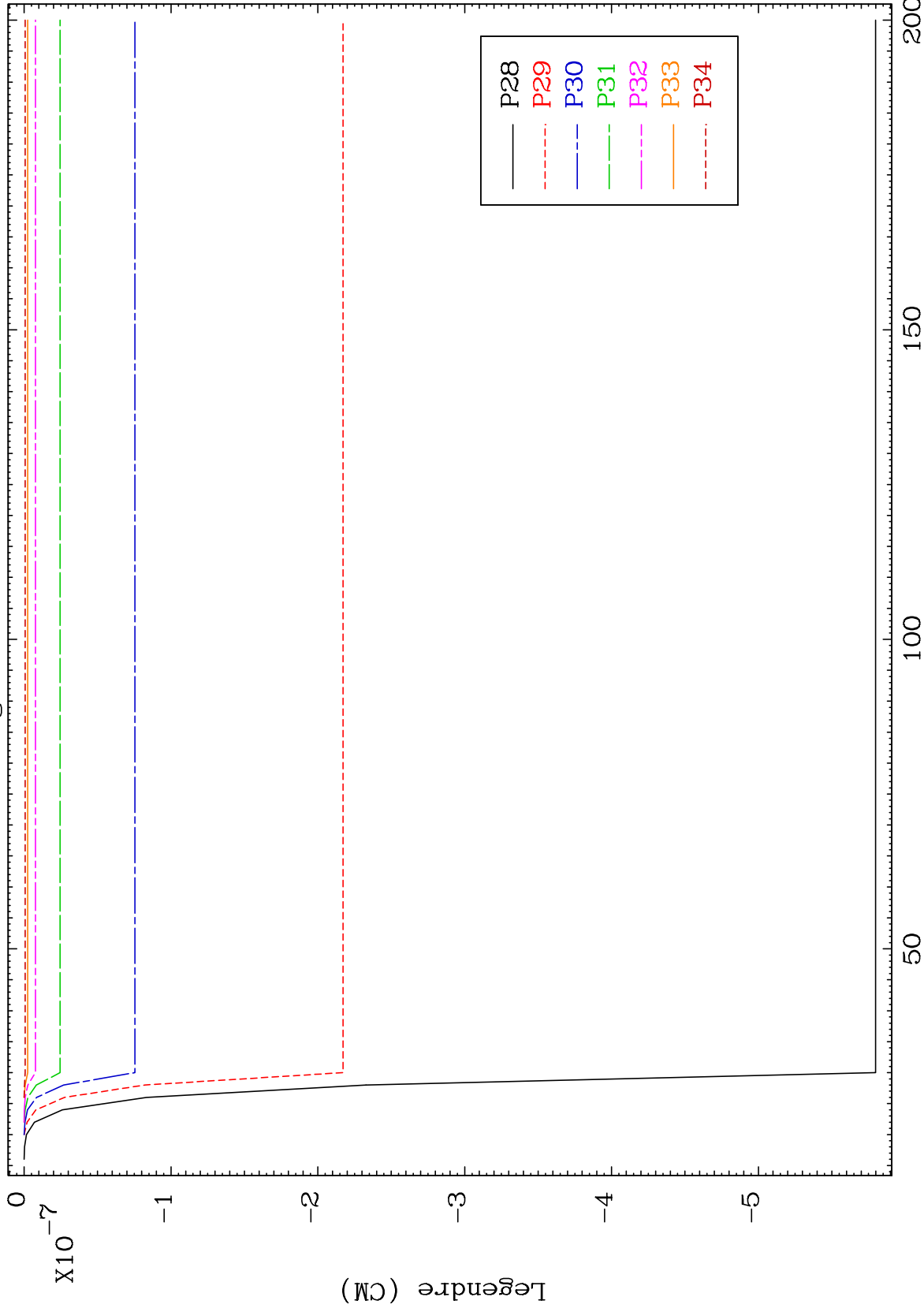
54-Xe-118



MAT 5407

MT= 66 (n,n') Level
Legendre Coefficients

54-Xe-118



80

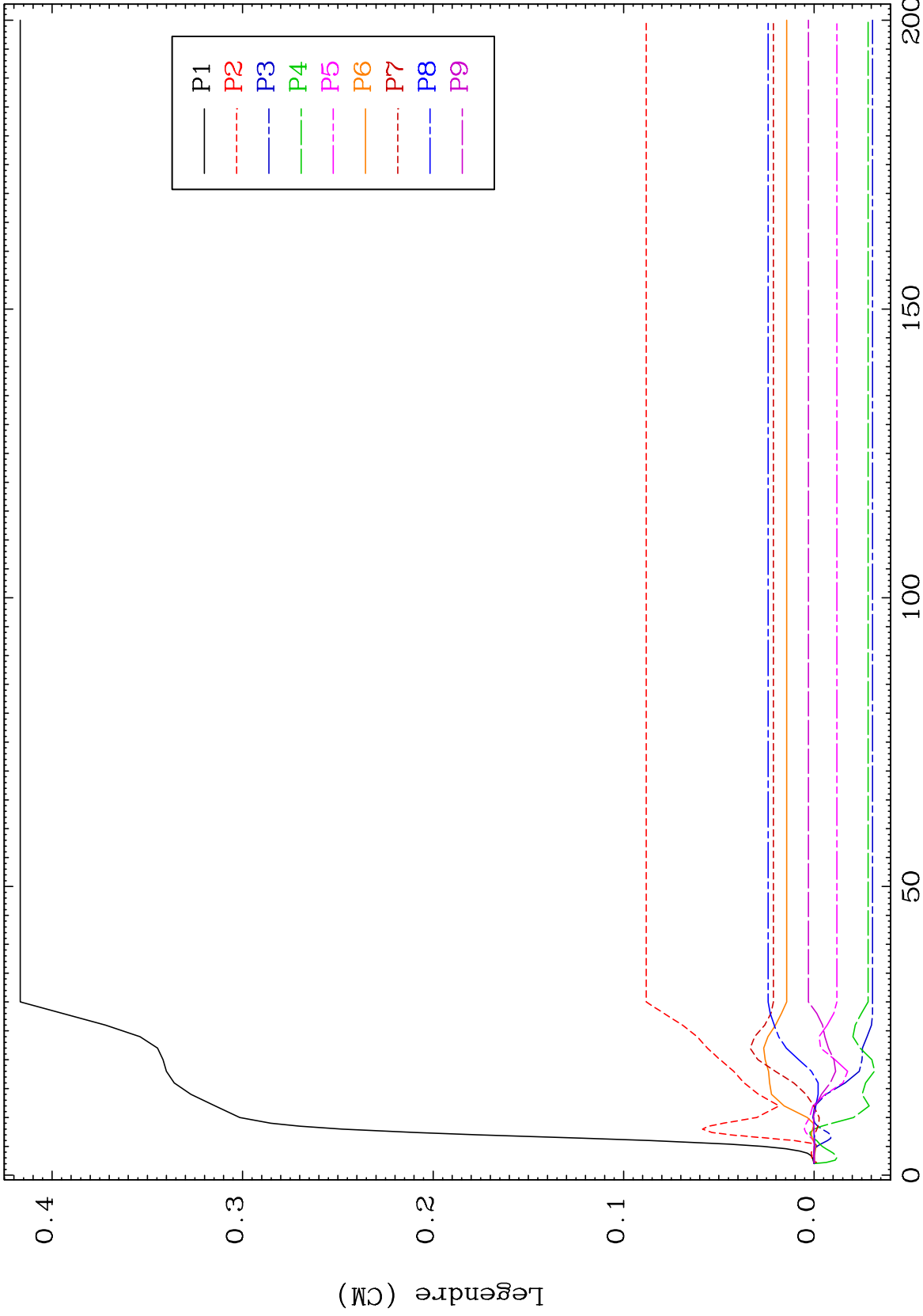
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 67 (n,n') Level
Legendre Coefficients

54-Xe-118



81

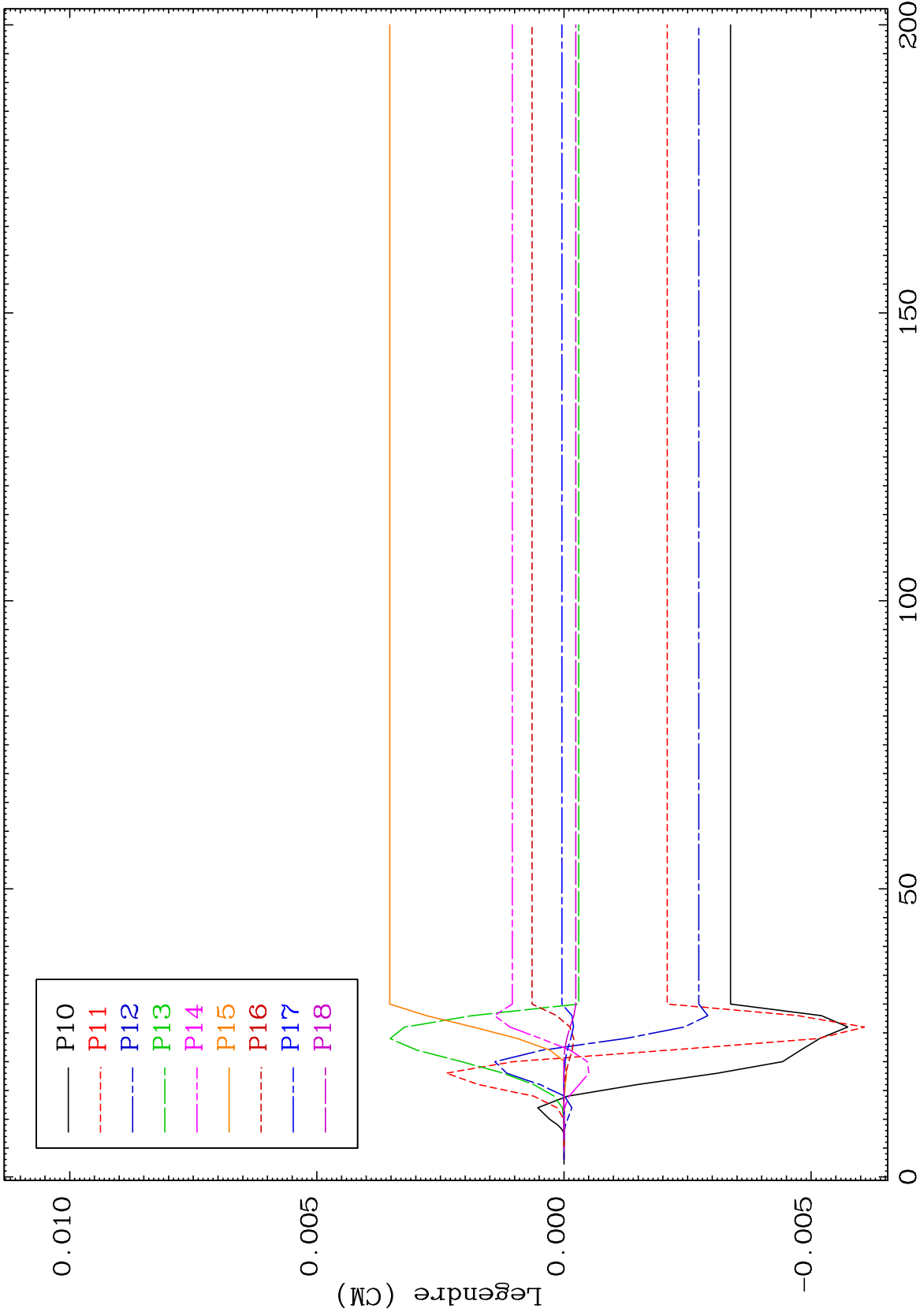
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 67 (n,n') Level
Legendre Coefficients

54-Xe-118



82

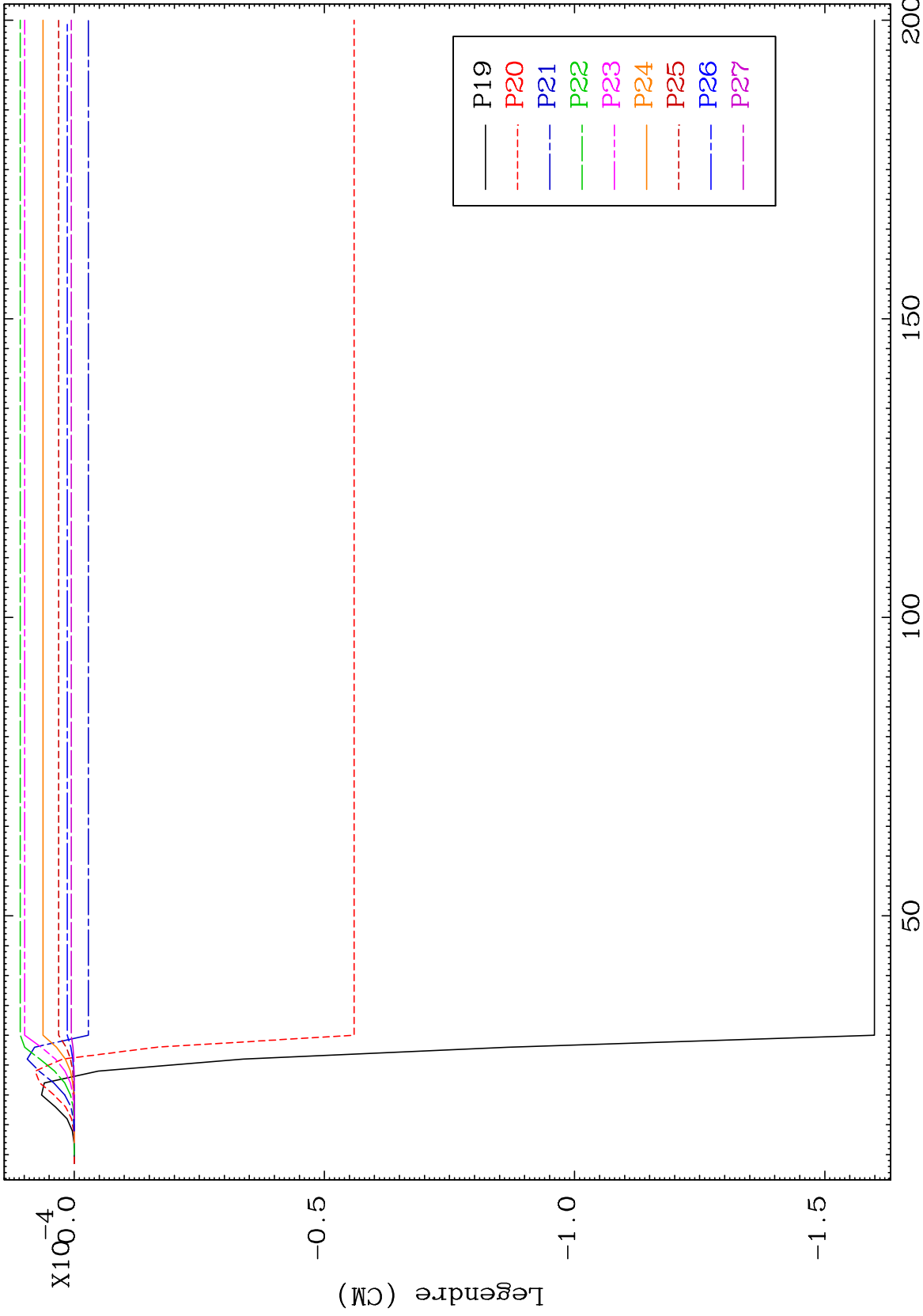
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 67 (n,n') Level
Legendre Coefficients

54-Xe-118



83

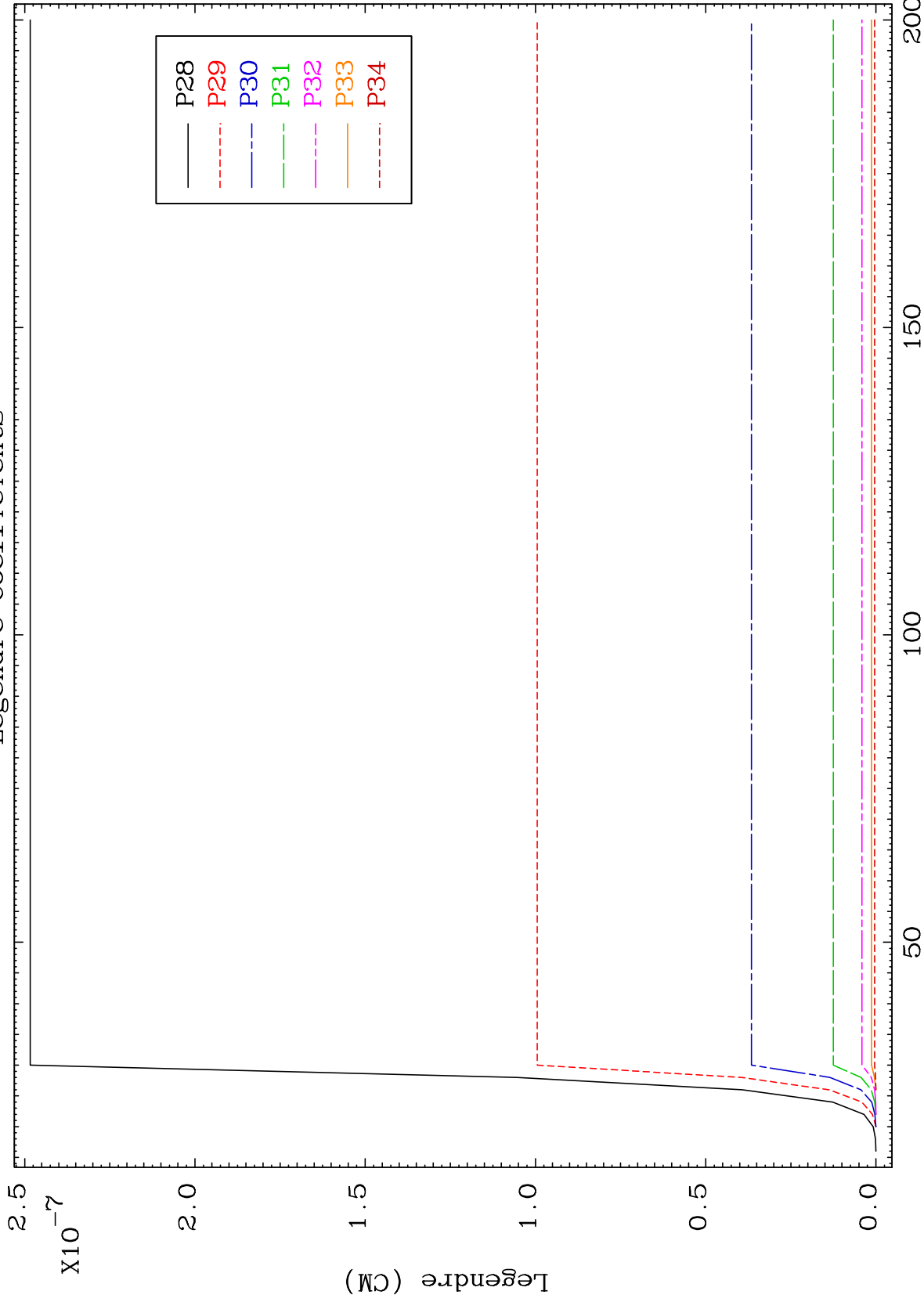
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 67 (n,n') Level
Legendre Coefficients

54-Xe-118



84

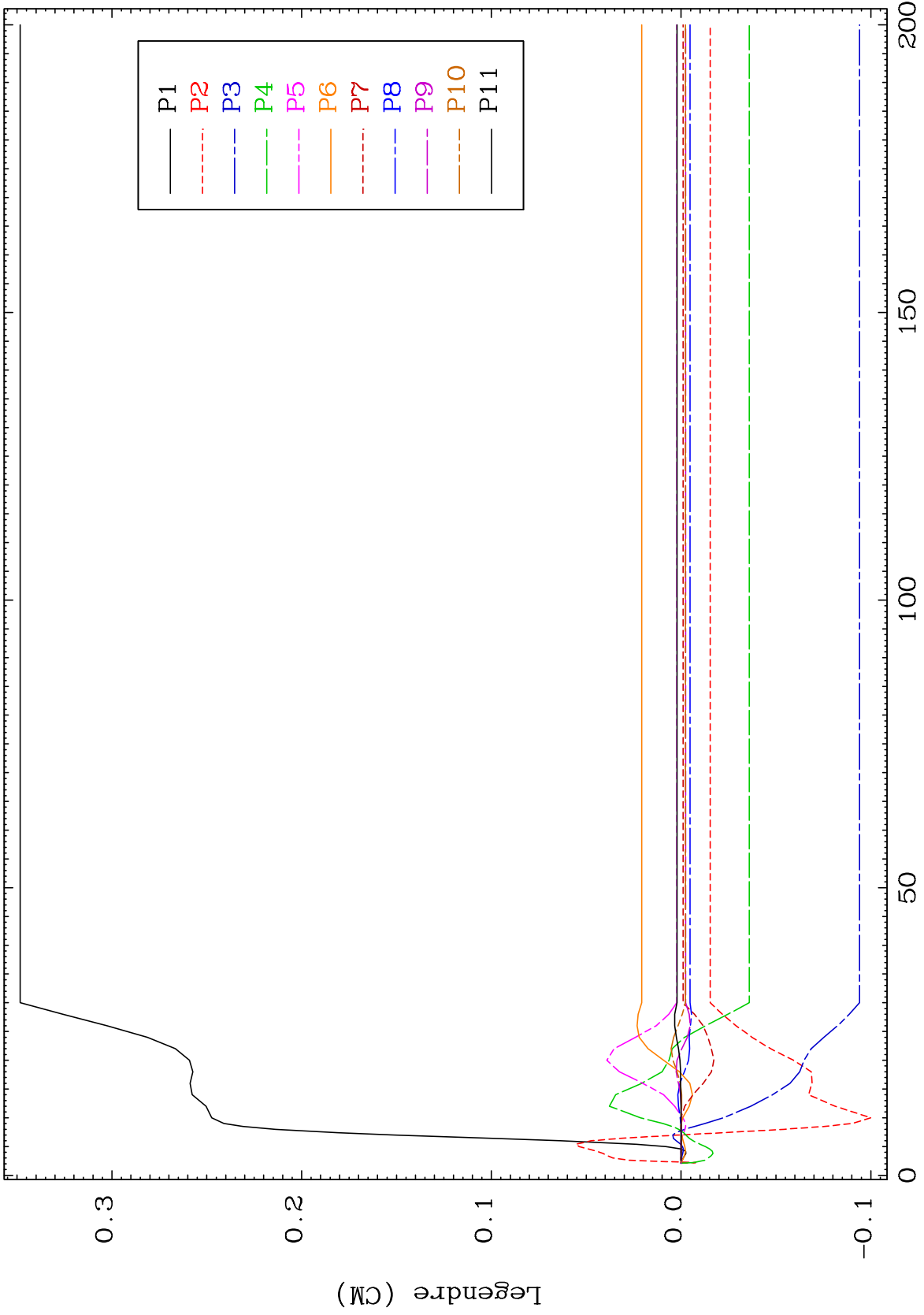
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 68 (n,n') Level
Legendre Coefficients

54-Xe-118



85

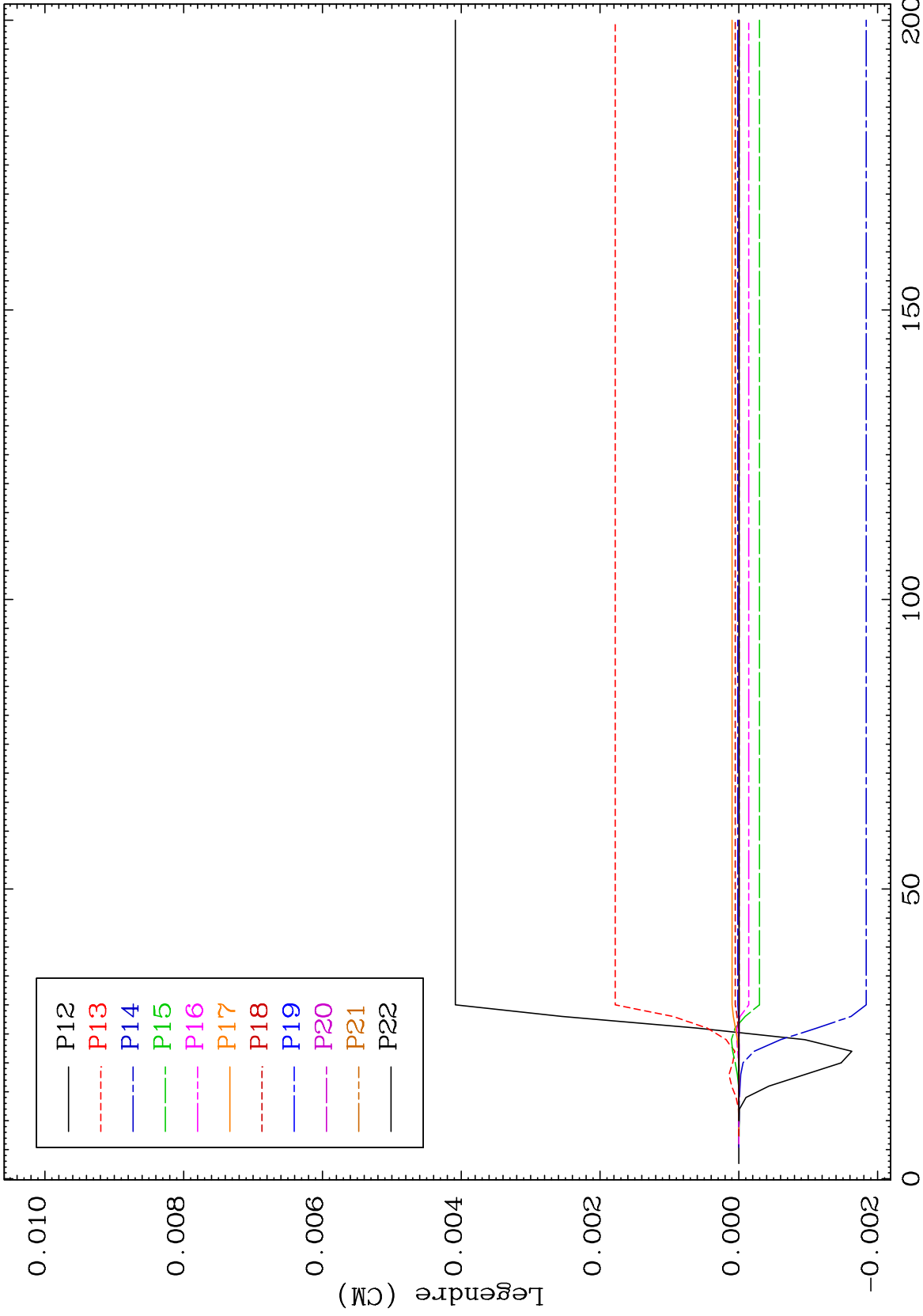
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 68 (n,n') Level
Legendre Coefficients

54-Xe-118



86

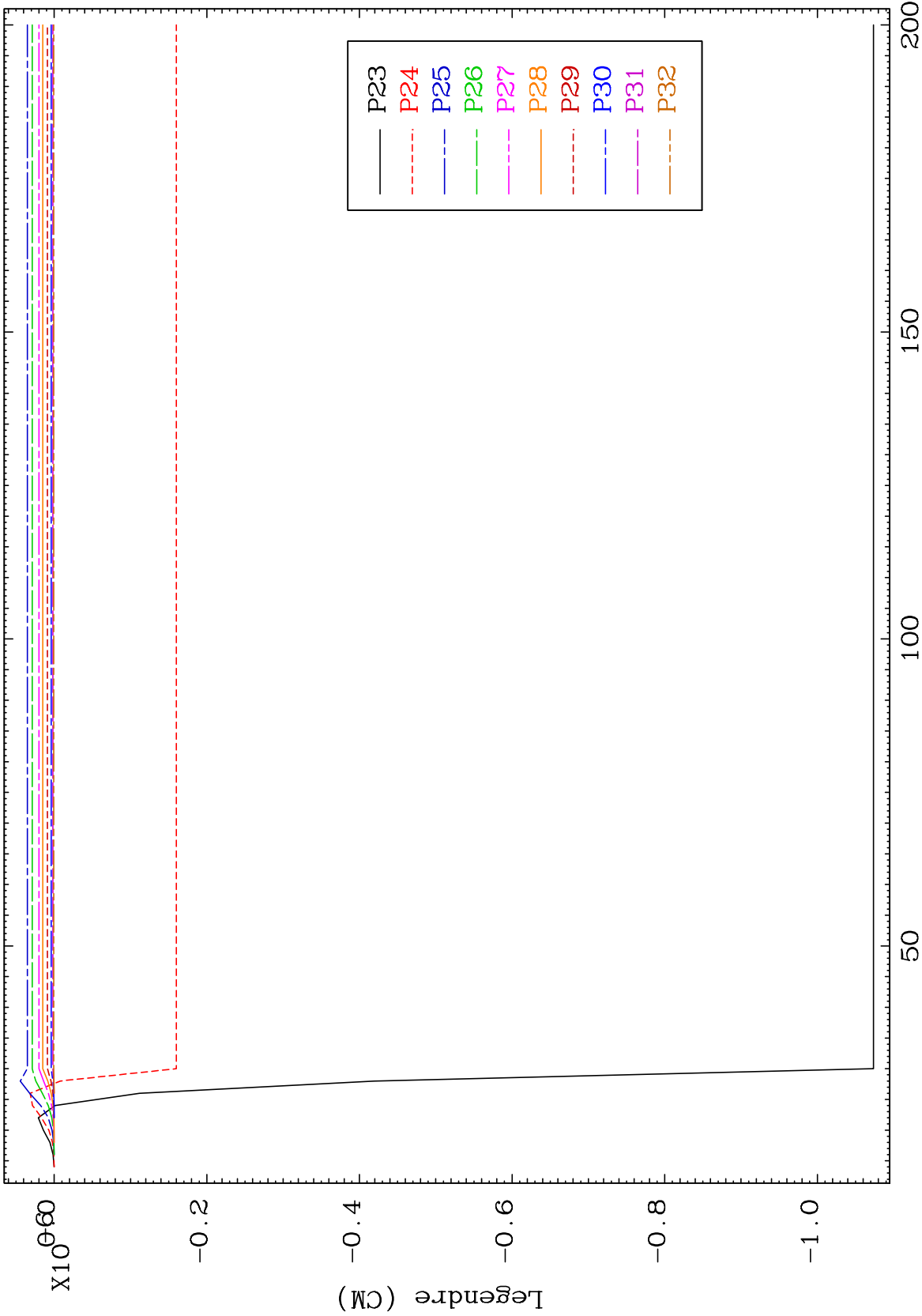
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 68 (n,n') Level
Legendre Coefficients

54-Xe-118



87

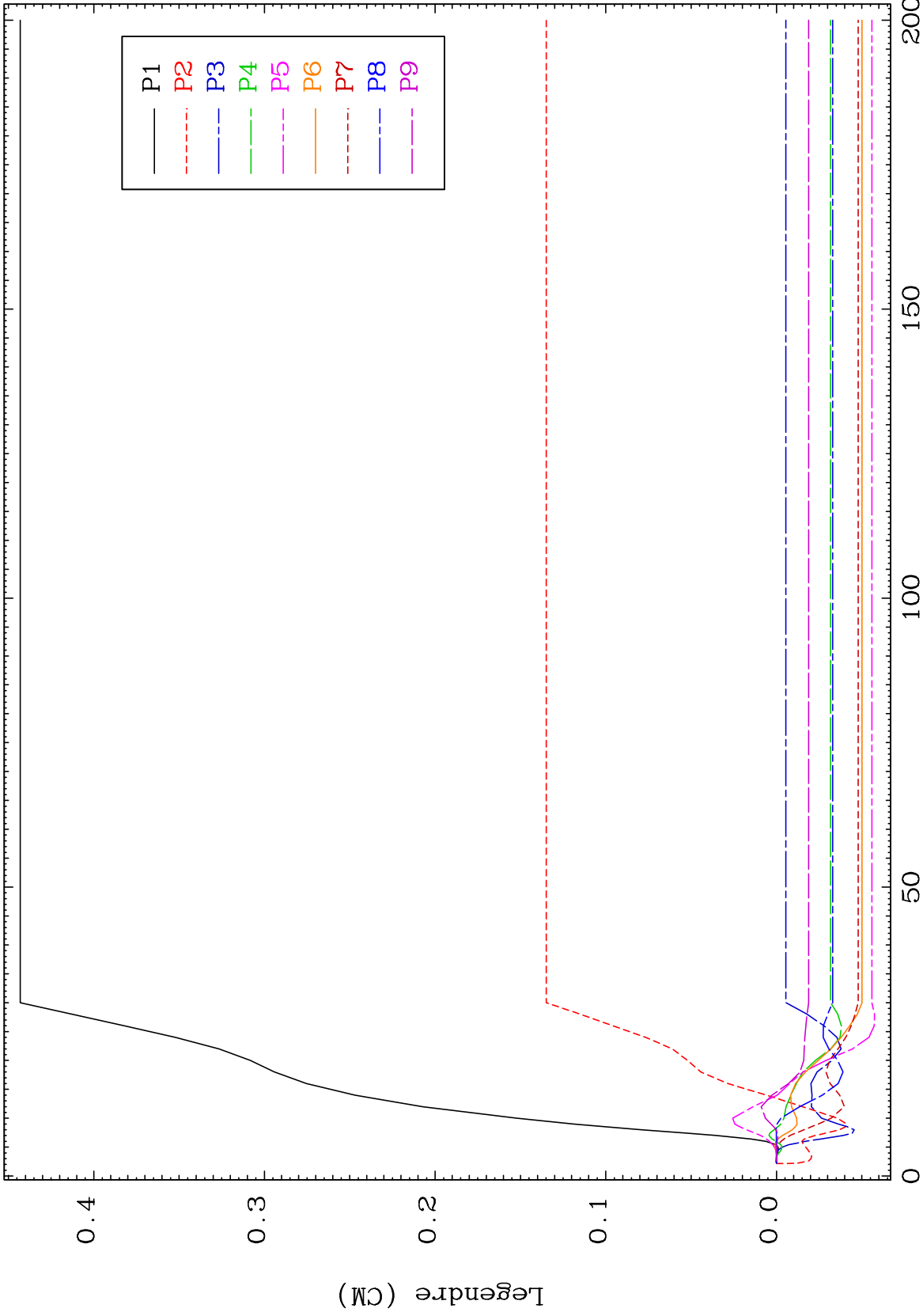
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 69 (n,n') Level
Legendre Coefficients

54-Xe-118



88

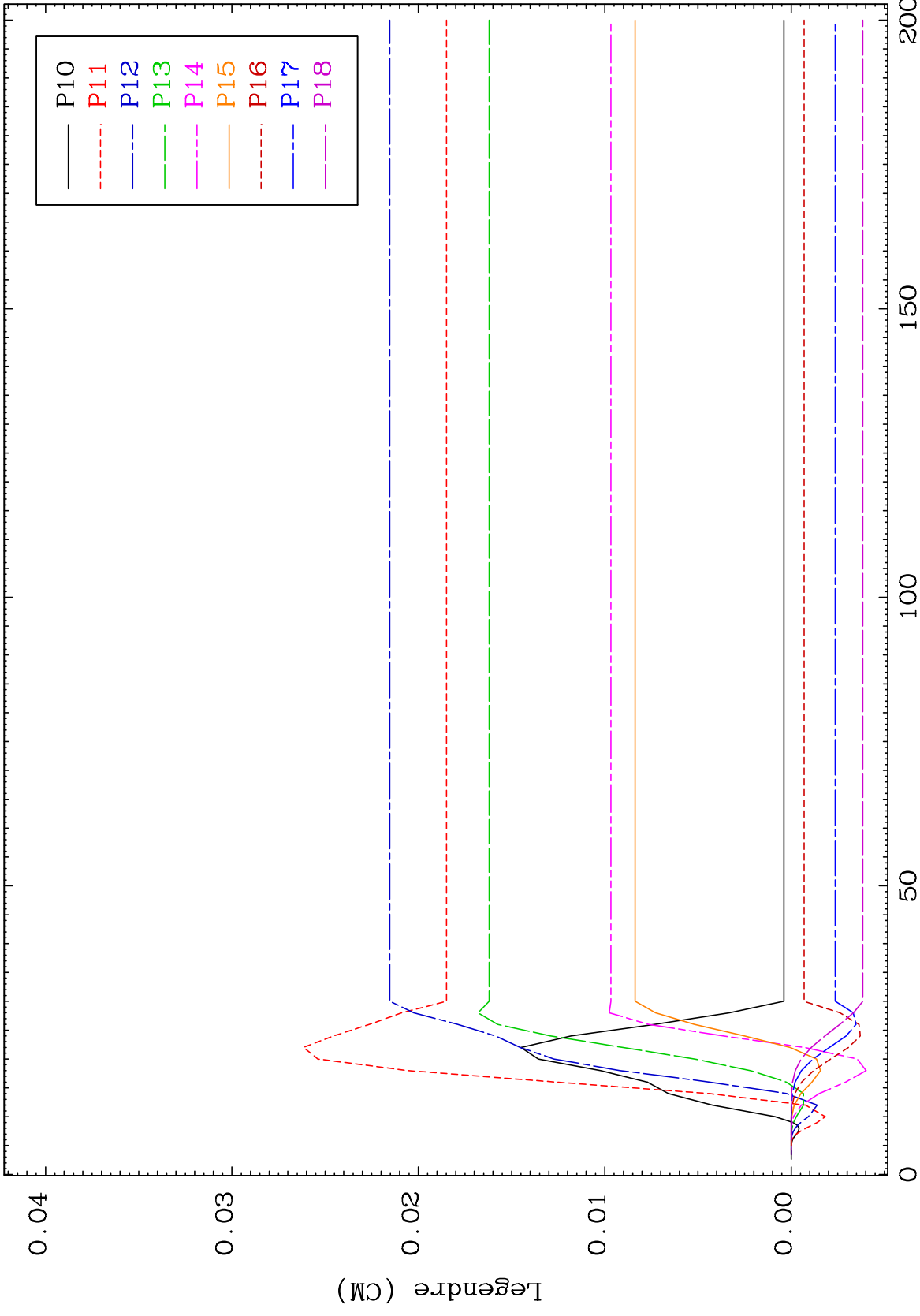
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 69 (n,n') Level
Legendre Coefficients

54-Xe-118

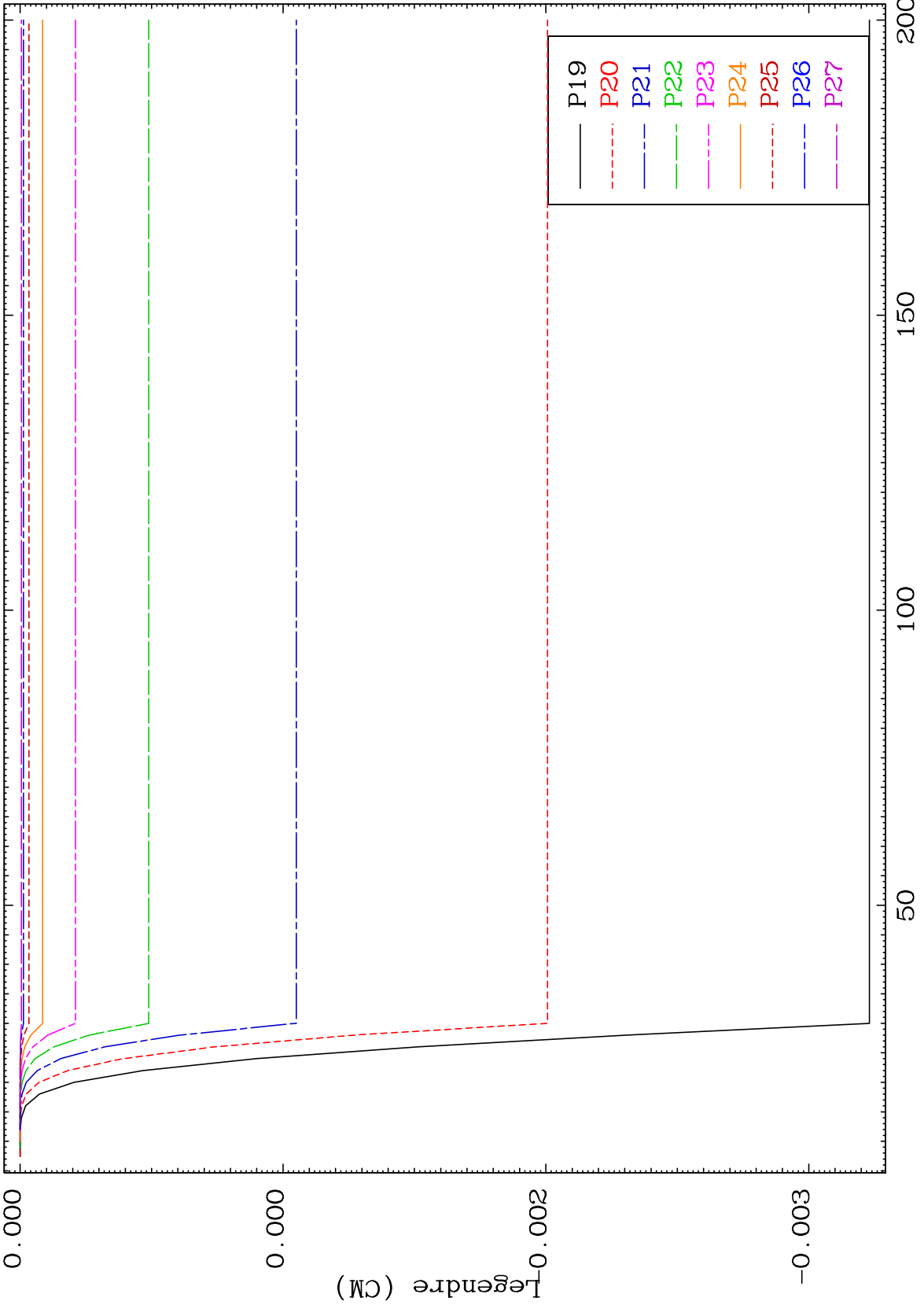


89

Incident Energy (MeV)

54-Xe-118

MAT 5407 MT= 69 (n,n') Level Legendre Coefficients 54-Xe-118

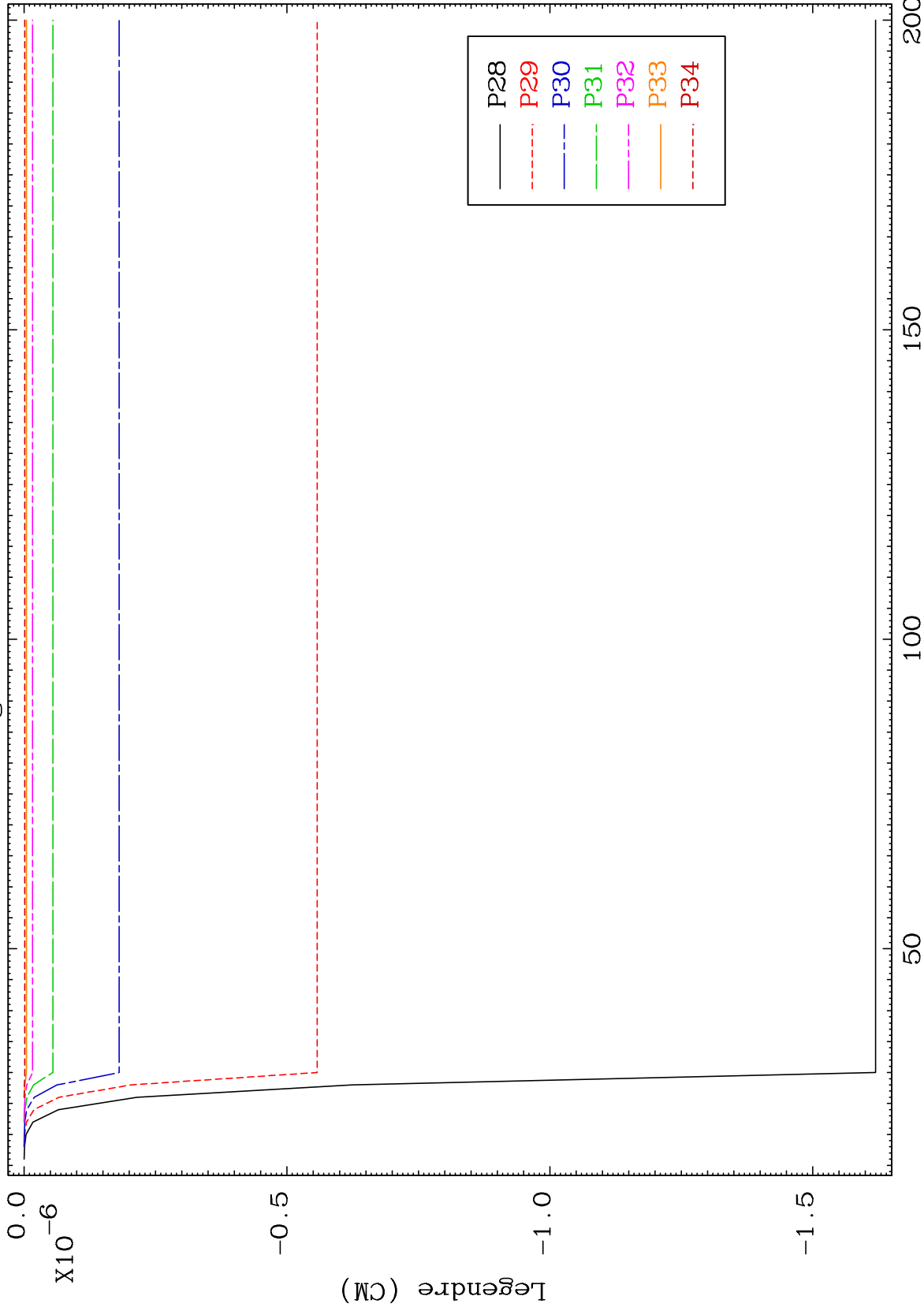


90 50 100 150 200 Incident Energy (MeV) 54-Xe-118

MAT 5407

MT= 69 (n,n') Level
Legendre Coefficients

54-Xe-118



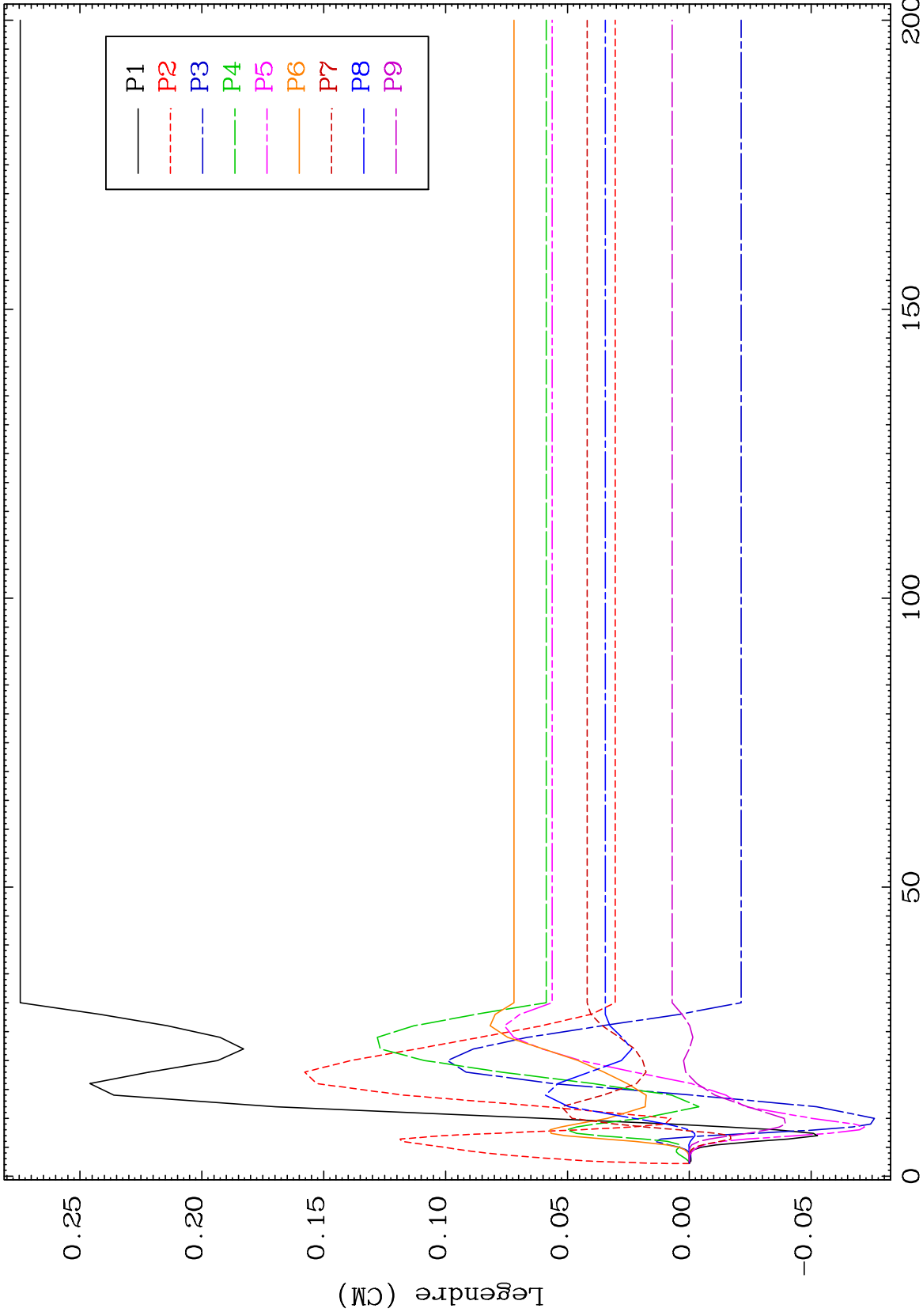
91

54-Xe-118

MAT 5407

MT= 70 (n,n') Level
Legendre Coefficients

54-Xe-118



92

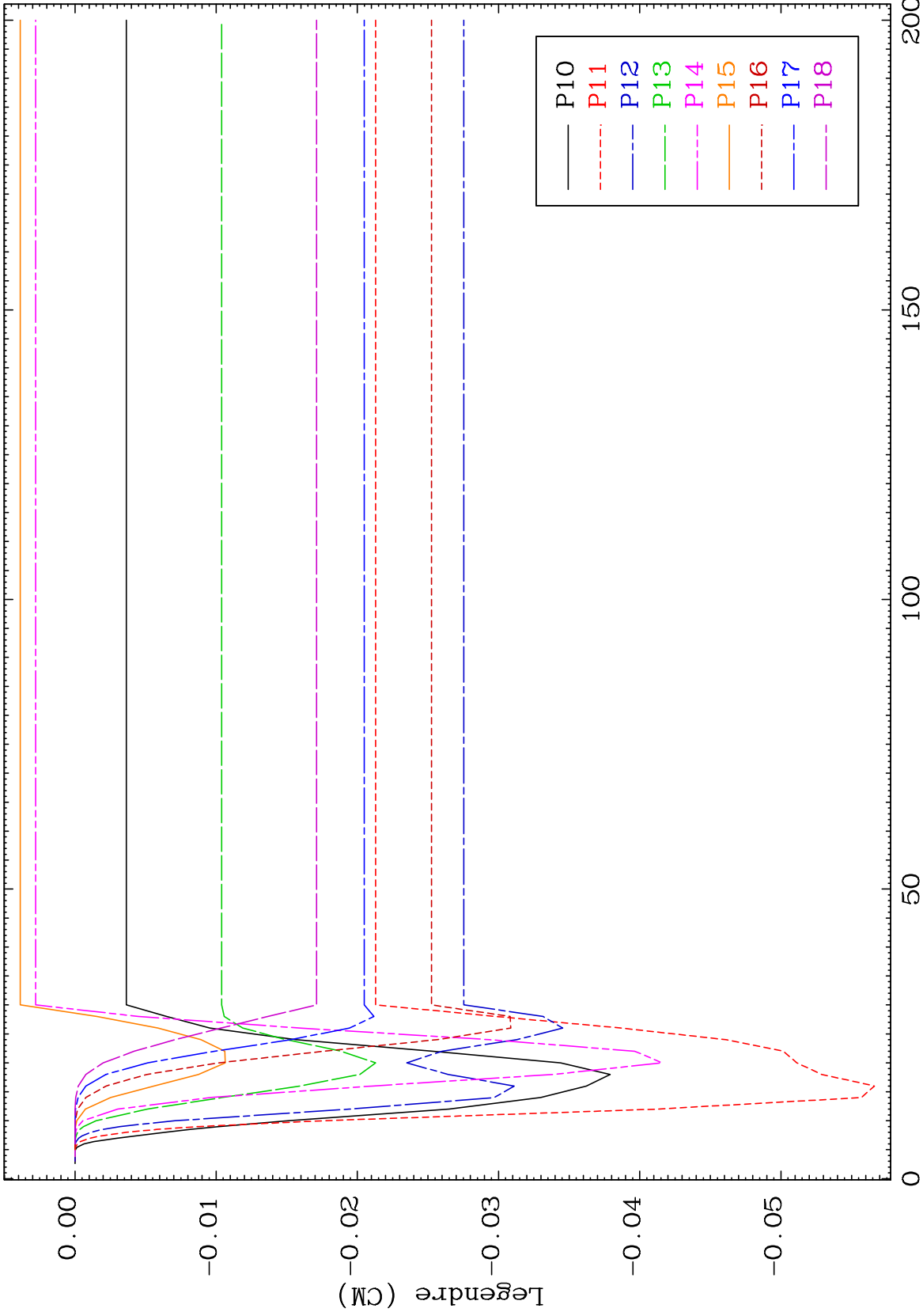
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 70 (n,n') Level
Legendre Coefficients

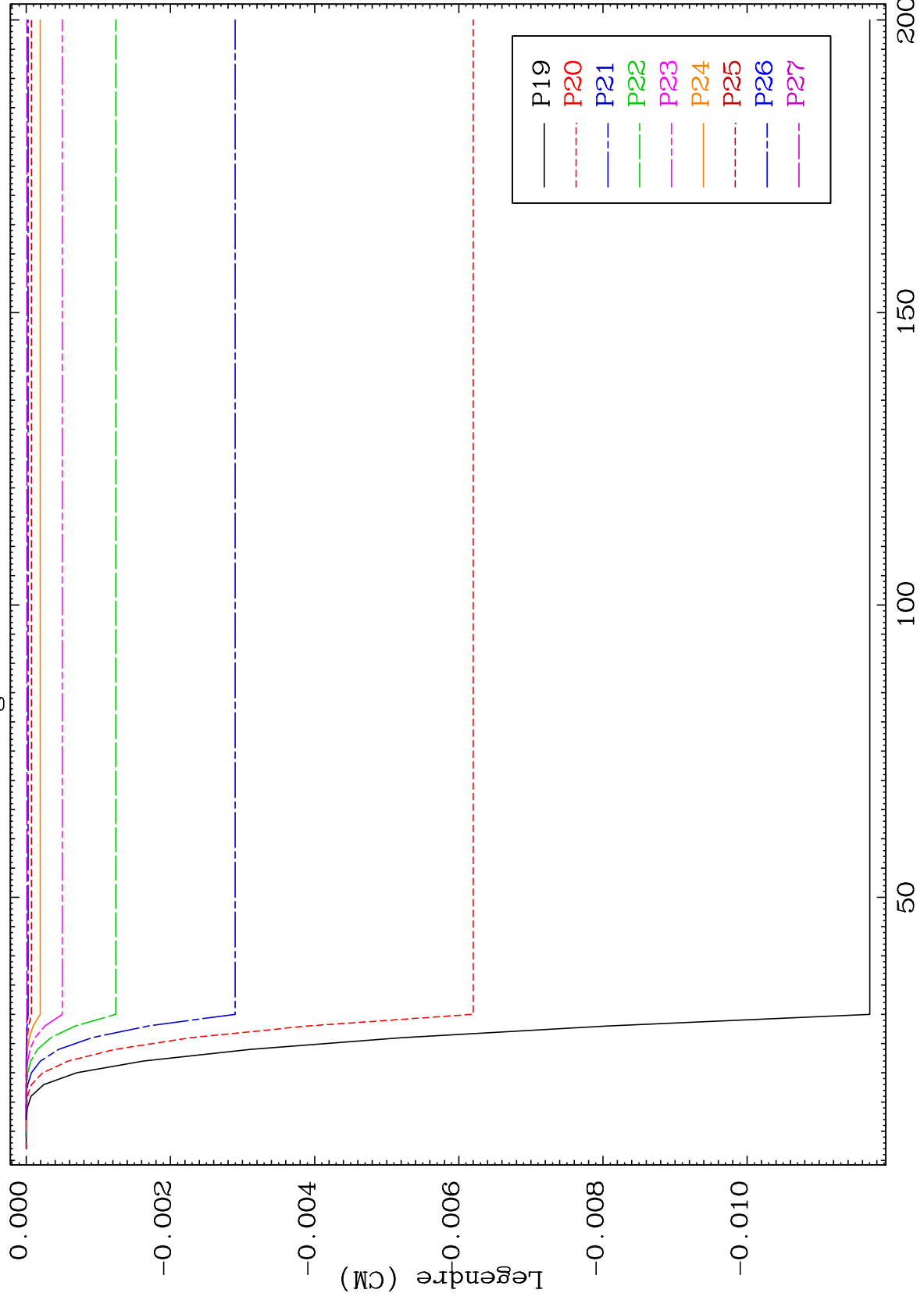
54-Xe-118



93

Incident Energy (MeV)

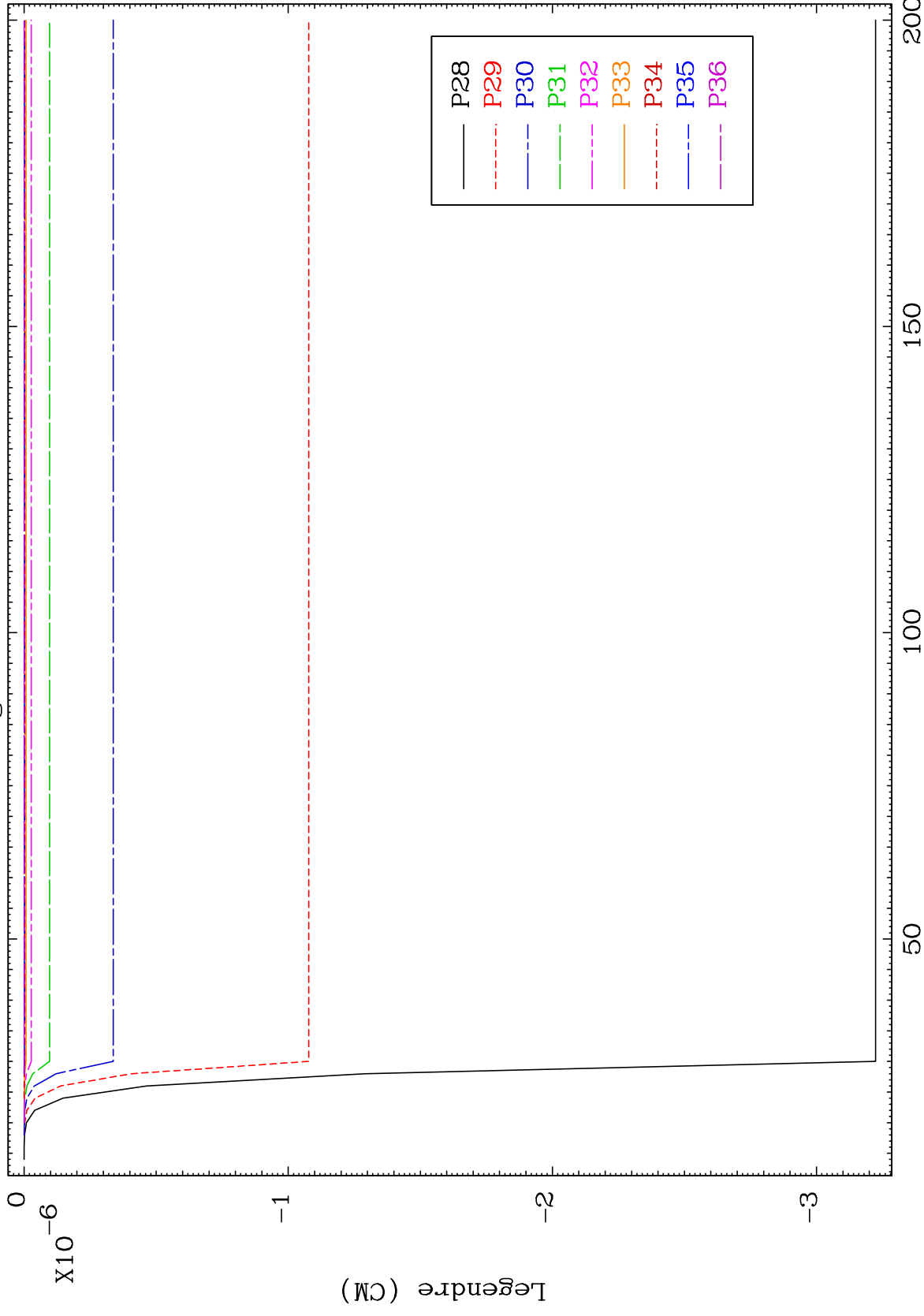
54-Xe-118



MAT 5407

MT= 70 (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

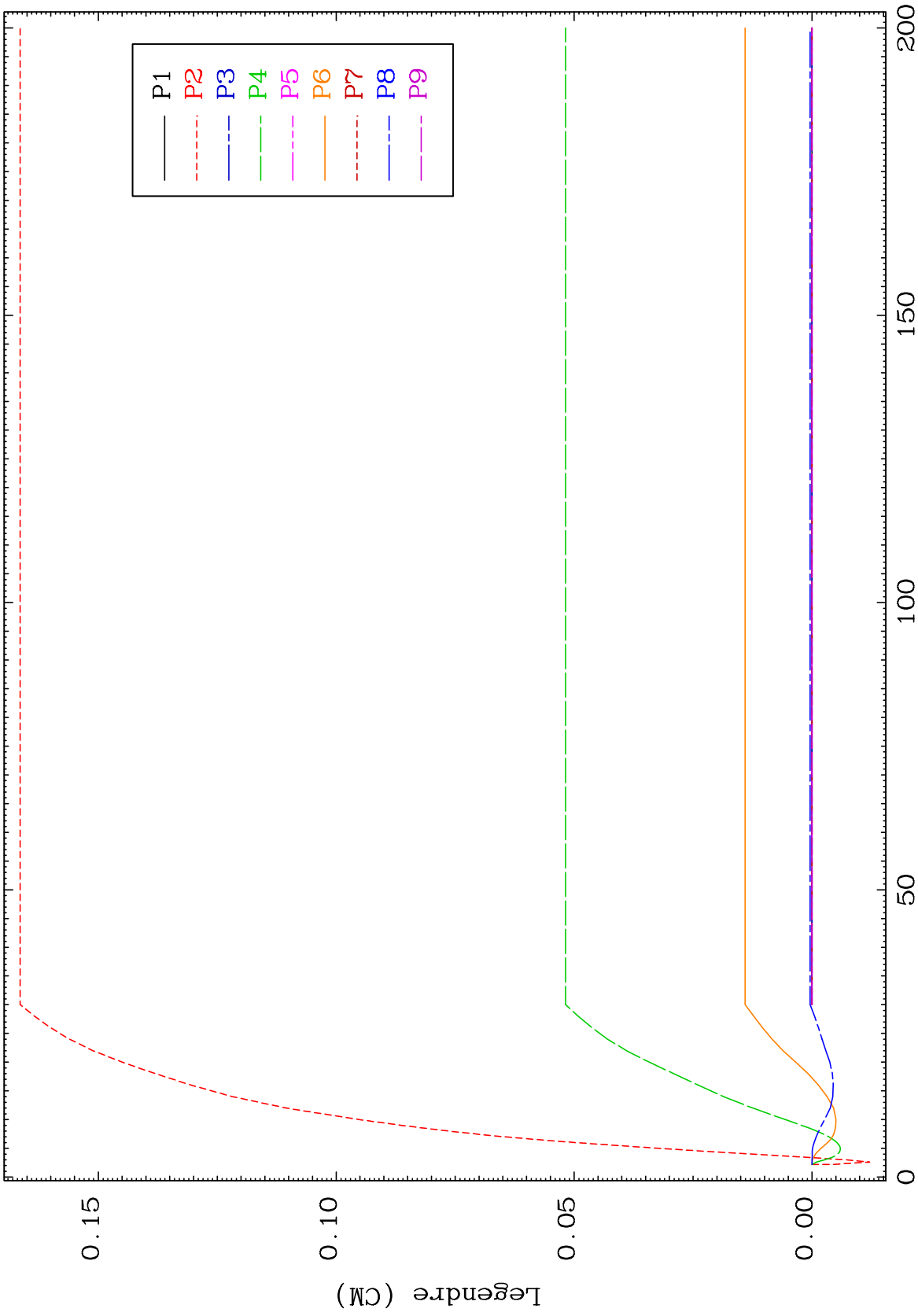
Incident Energy (MeV)

95

MAT 5407

MT= 71 (n,n') Level
Legendre Coefficients

54-Xe-118



96

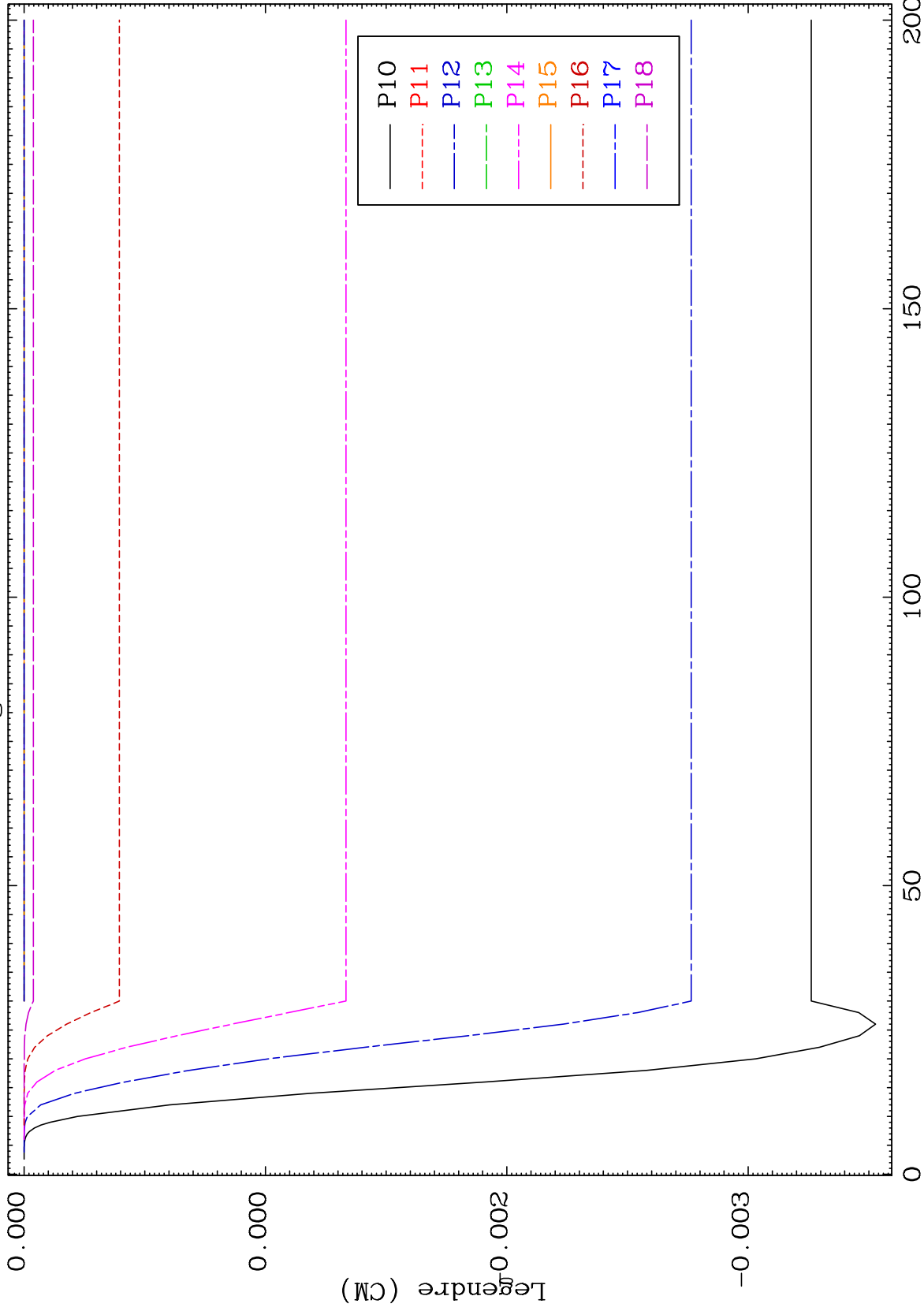
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 71 (n,n') Level
Legendre Coefficients

54-Xe-118



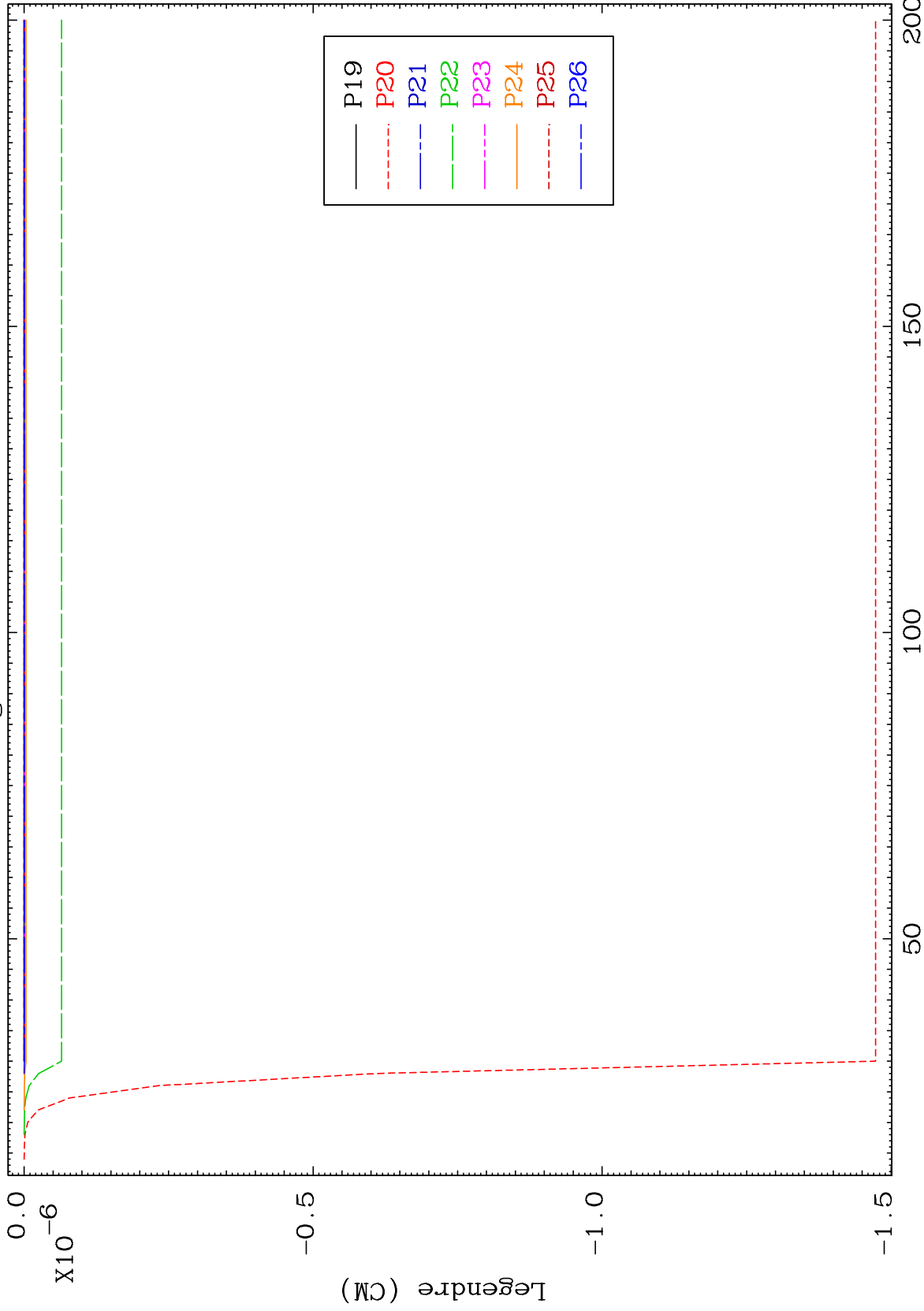
97

54-Xe-118

MAT 5407

MT= 71 (n,n') Level
Legendre Coefficients

54-Xe-118



98

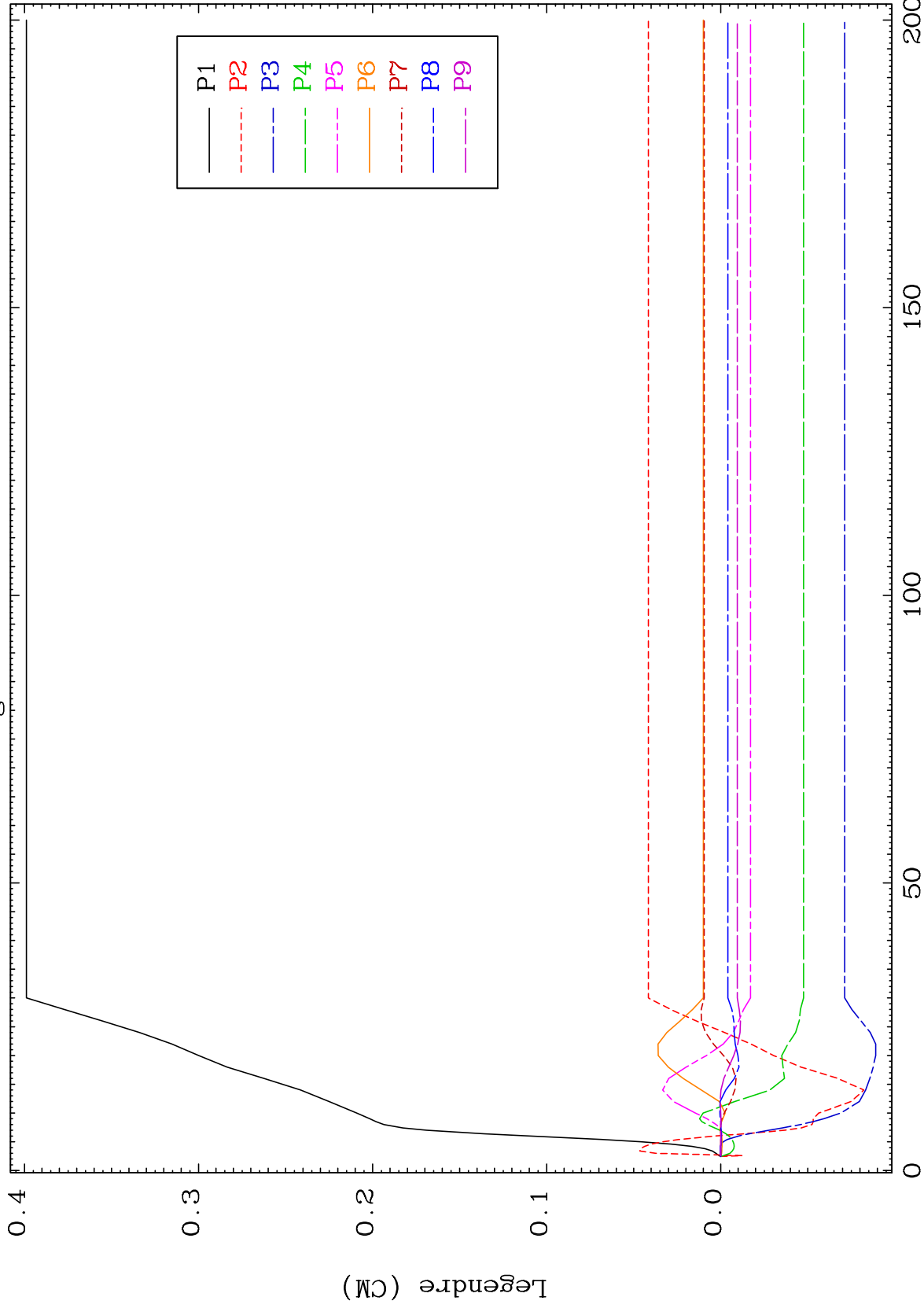
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-118



99

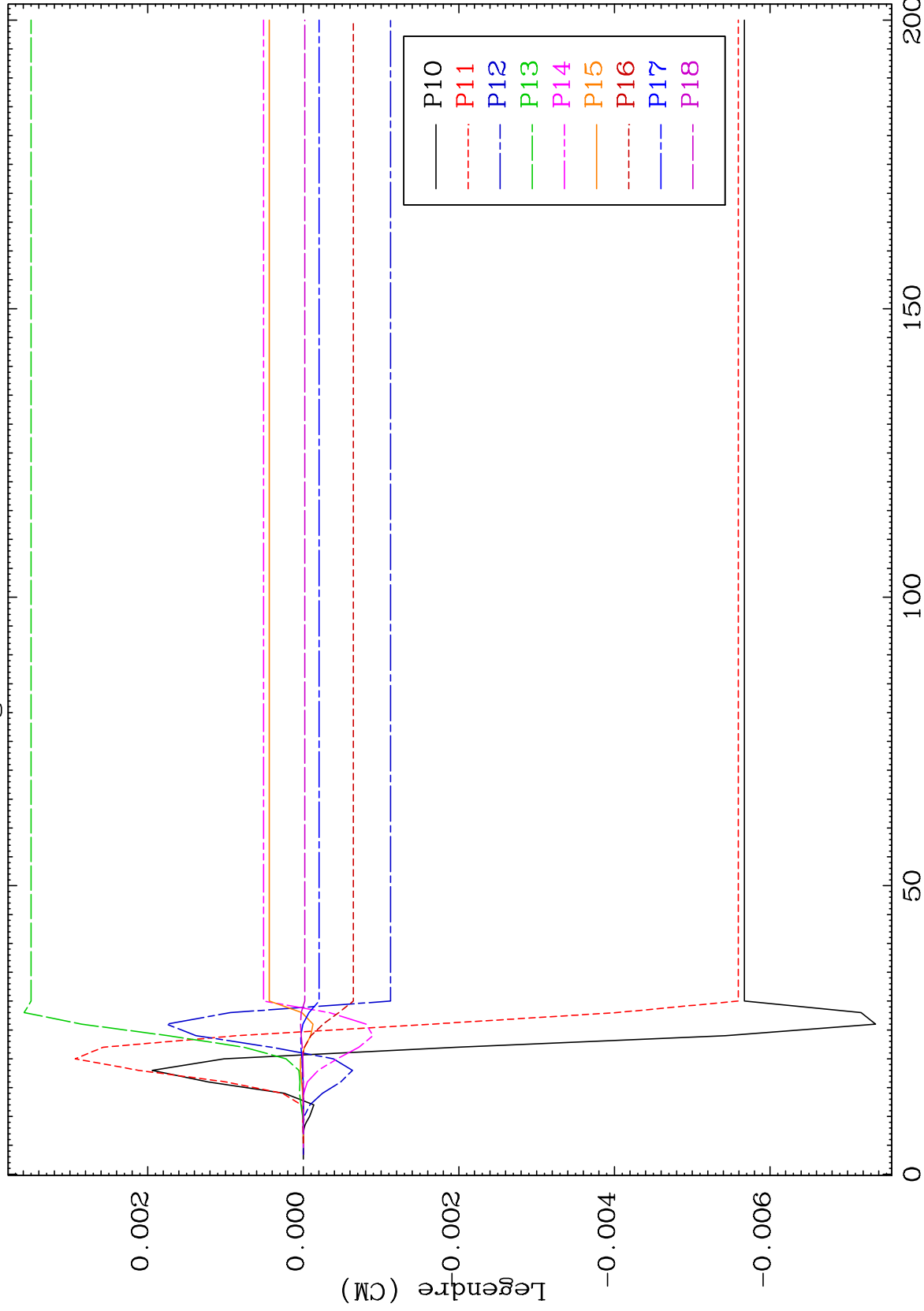
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-118



100

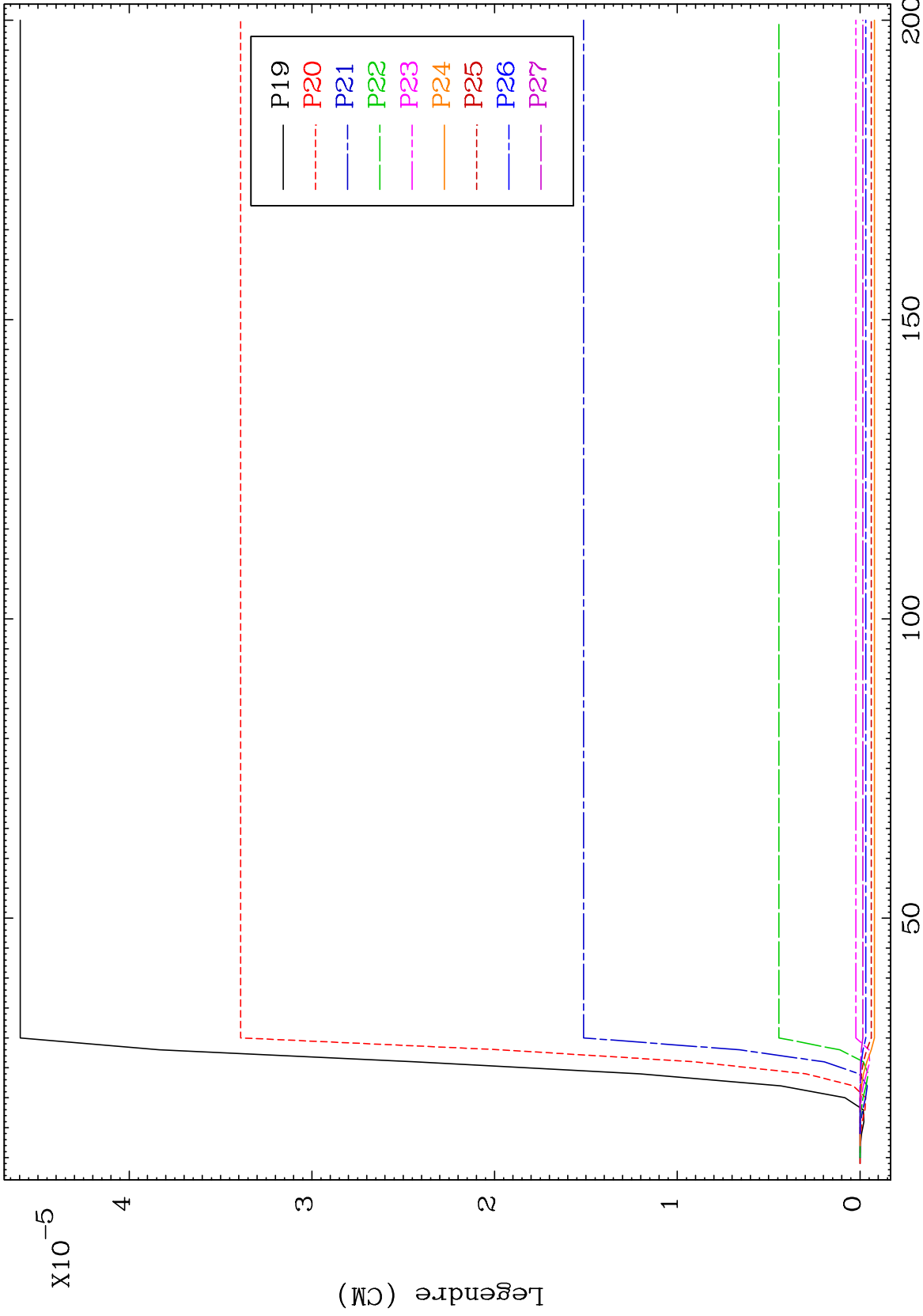
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-118



101

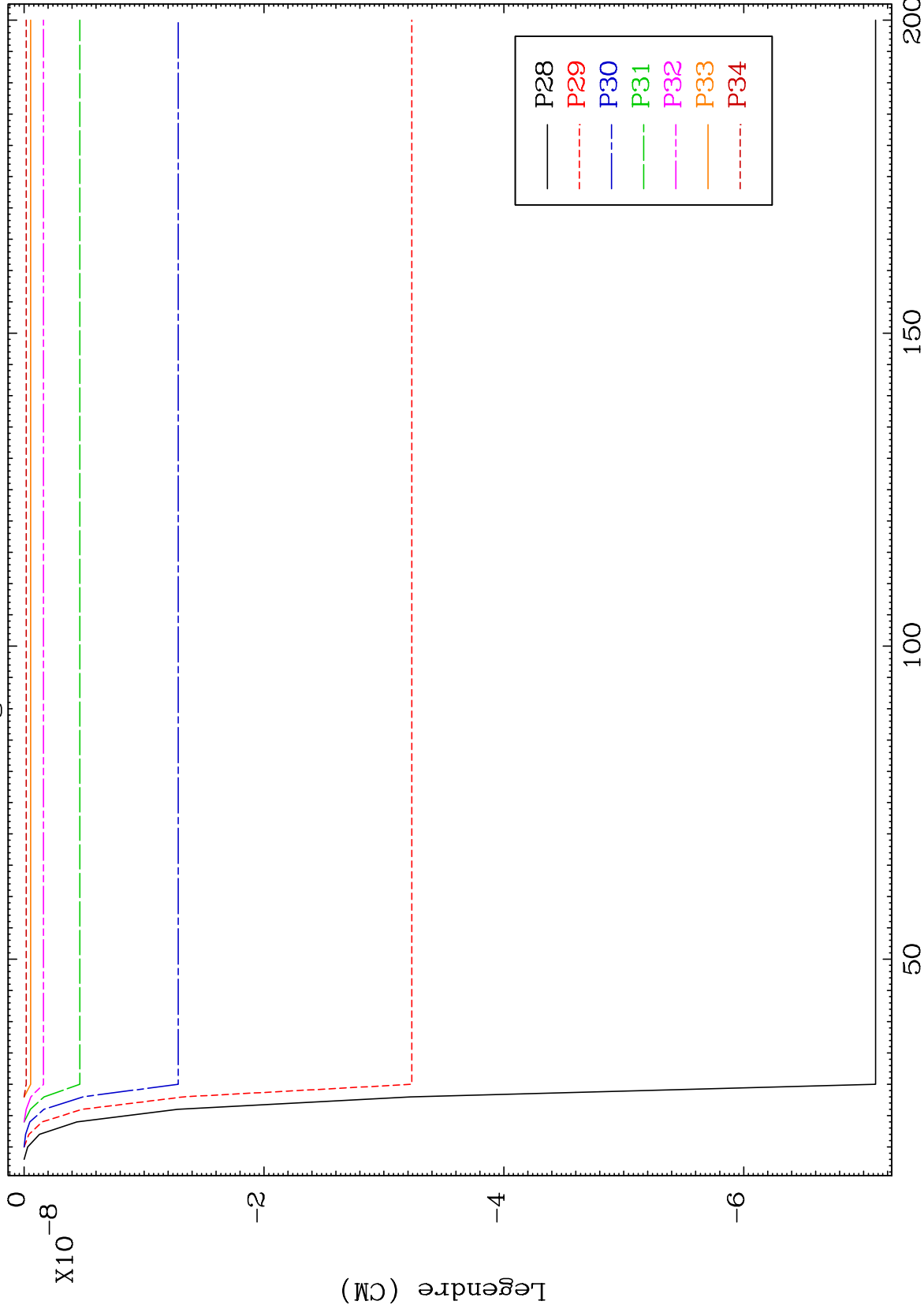
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 72 (n,n') Level
Legendre Coefficients

54-Xe-118



54-Xe-118

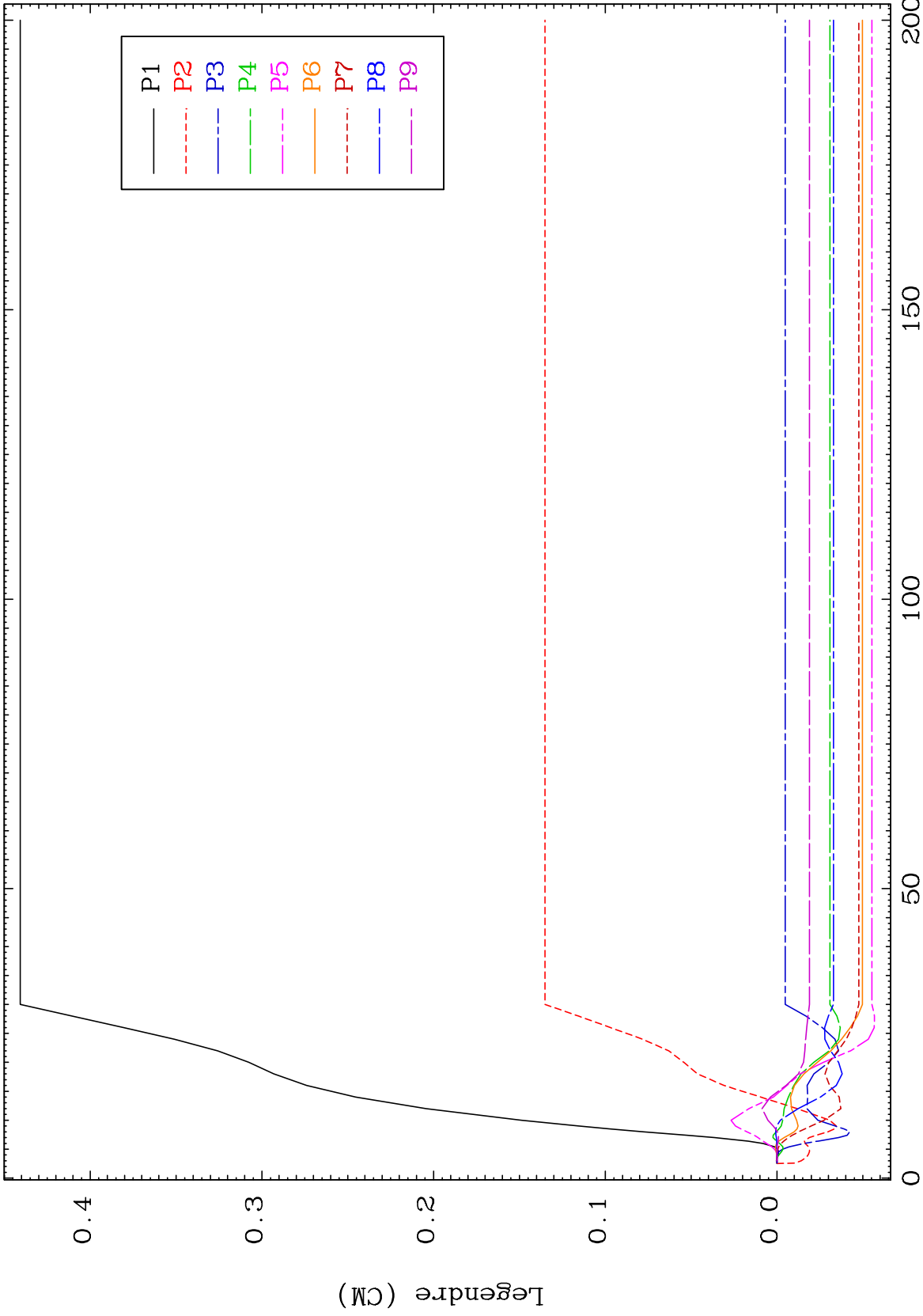
Incident Energy (MeV)

102

MAT 5407

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-118



103

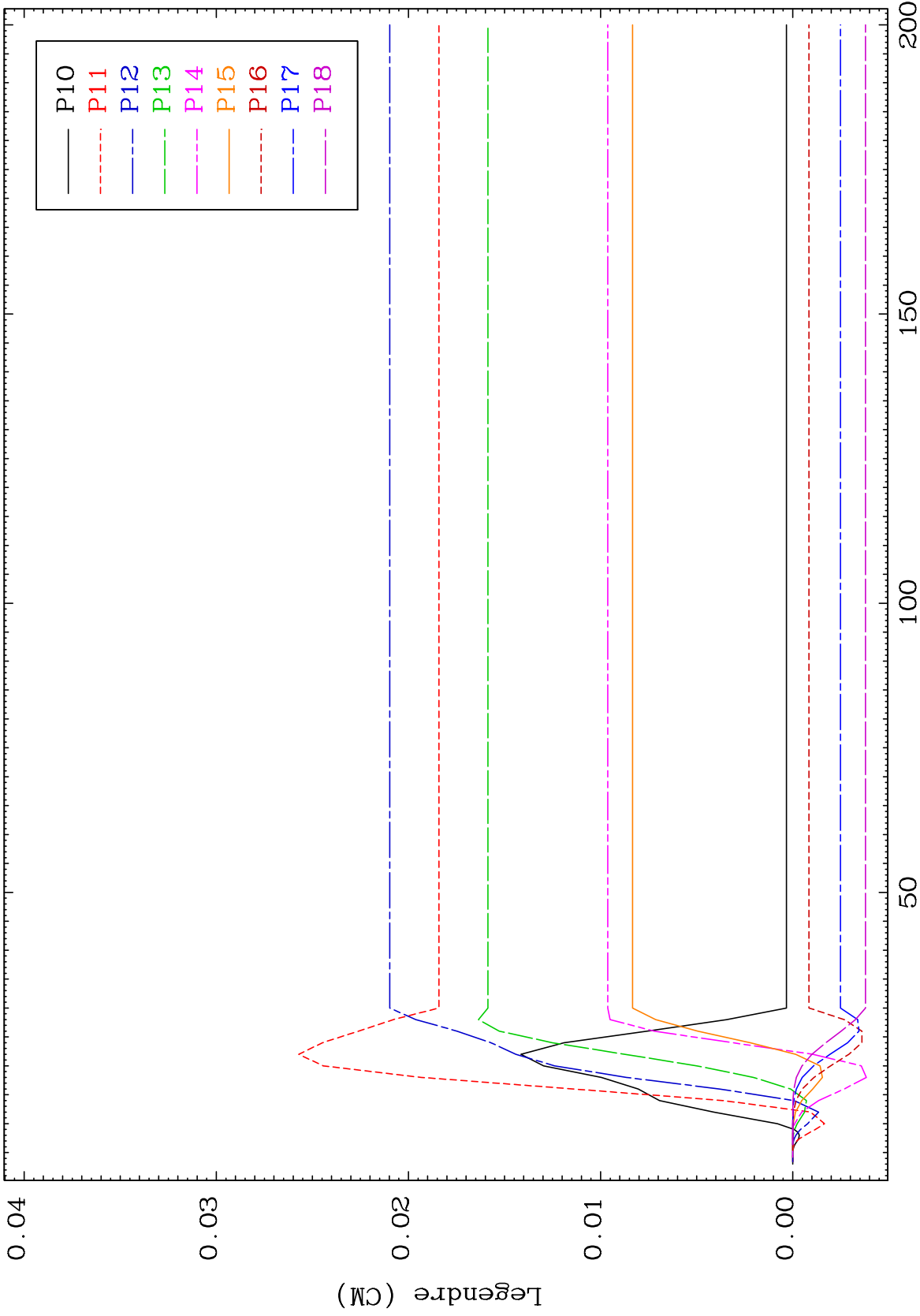
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-118

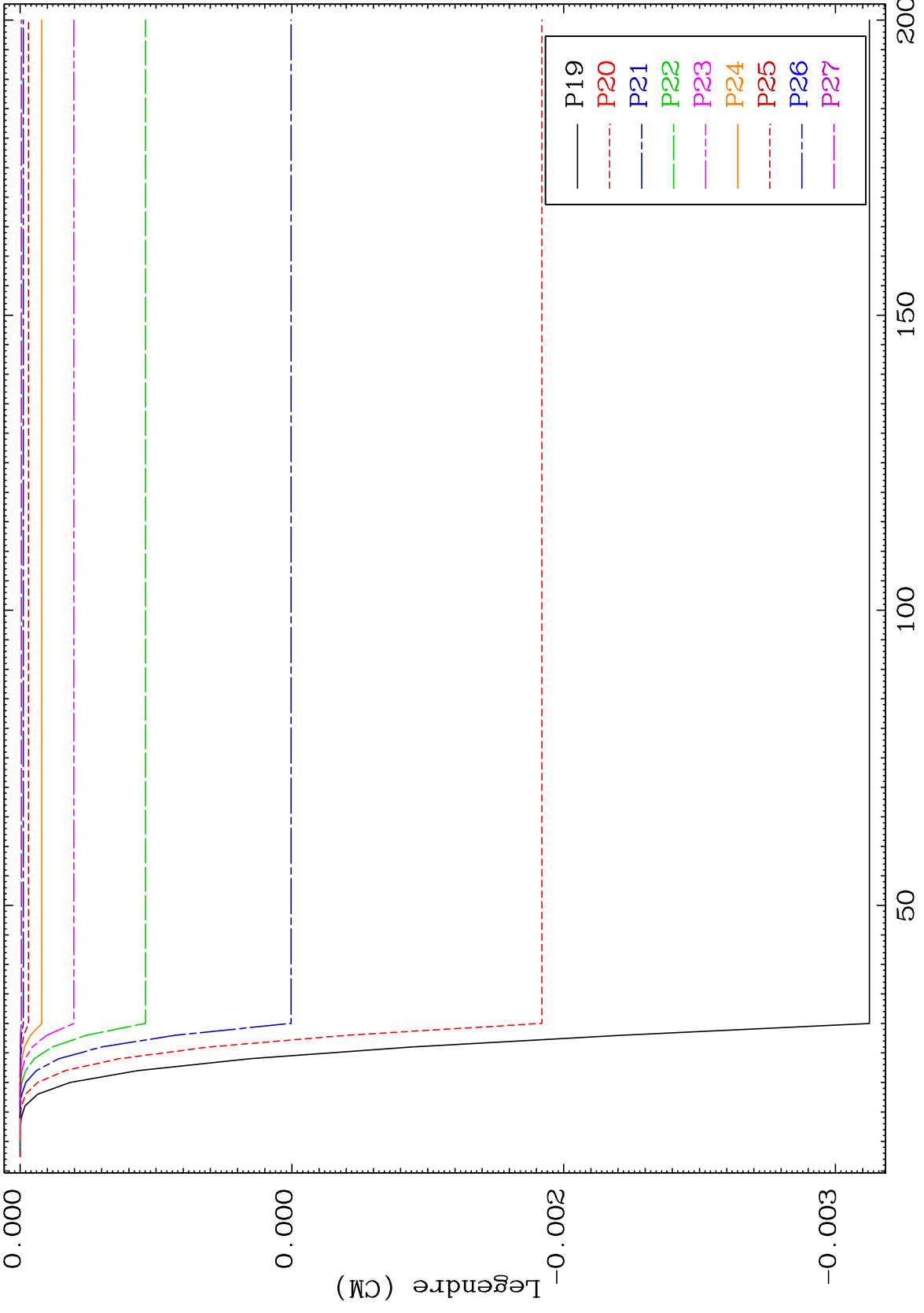


104

Incident Energy (MeV)

54-Xe-118

MAT 5407 MT= 73 (n,n') Level Legendre Coefficients 54-Xe-118

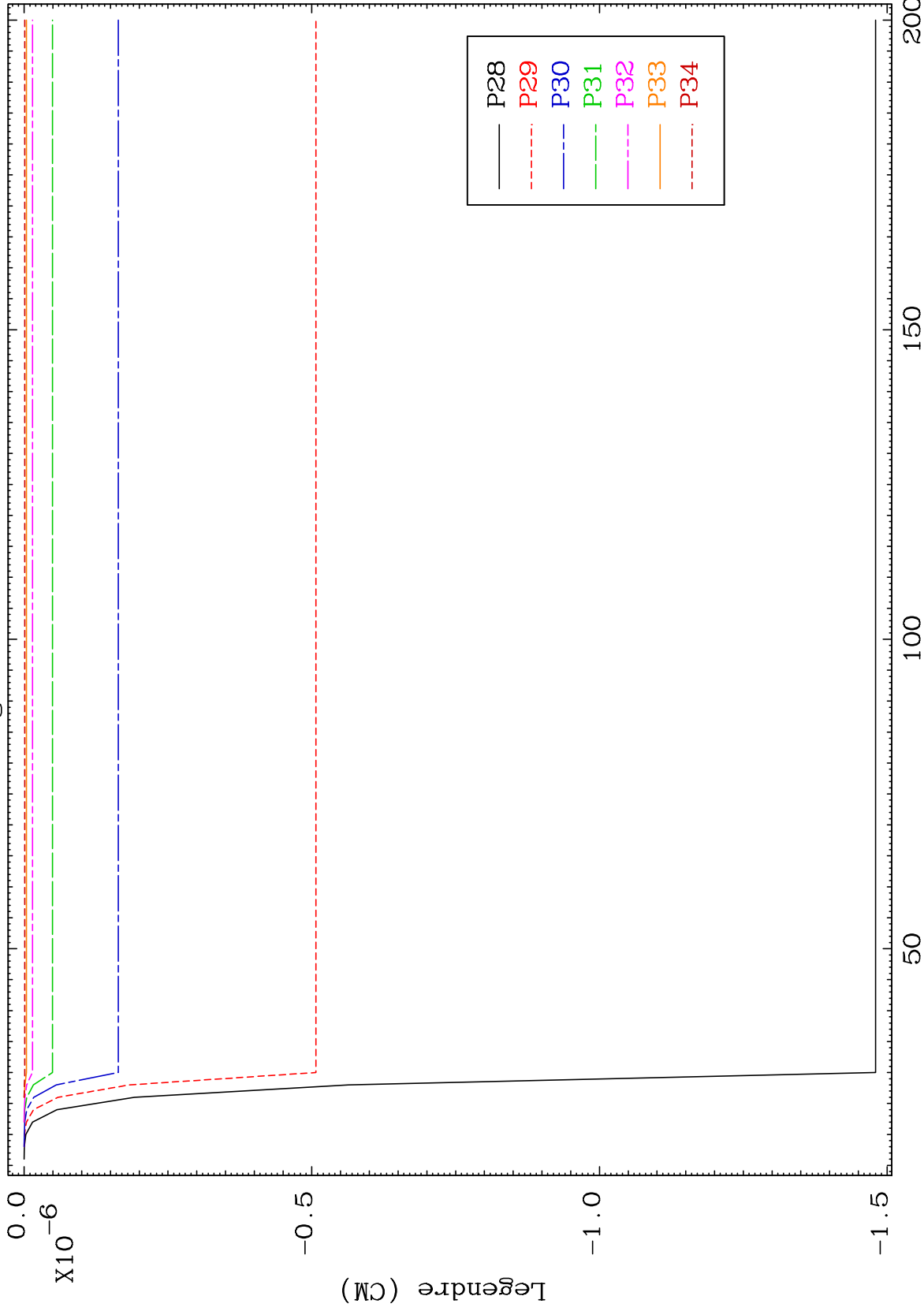


105 Incident Energy (MeV) 54-Xe-118

MAT 5407

MT= 73 (n,n') Level
Legendre Coefficients

54-Xe-118



106

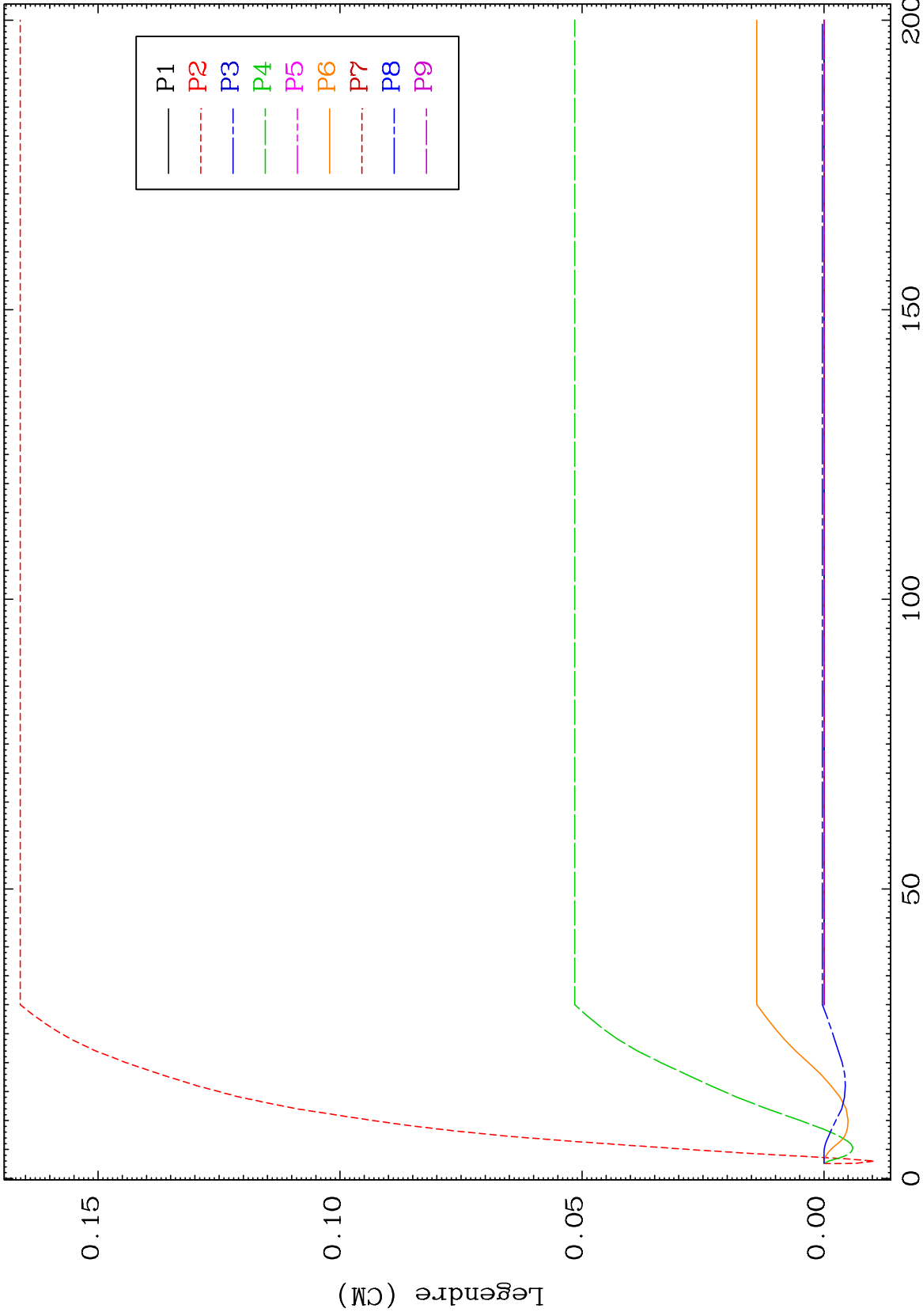
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 74 (n,n') Level
Legendre Coefficients

54-Xe-118



107

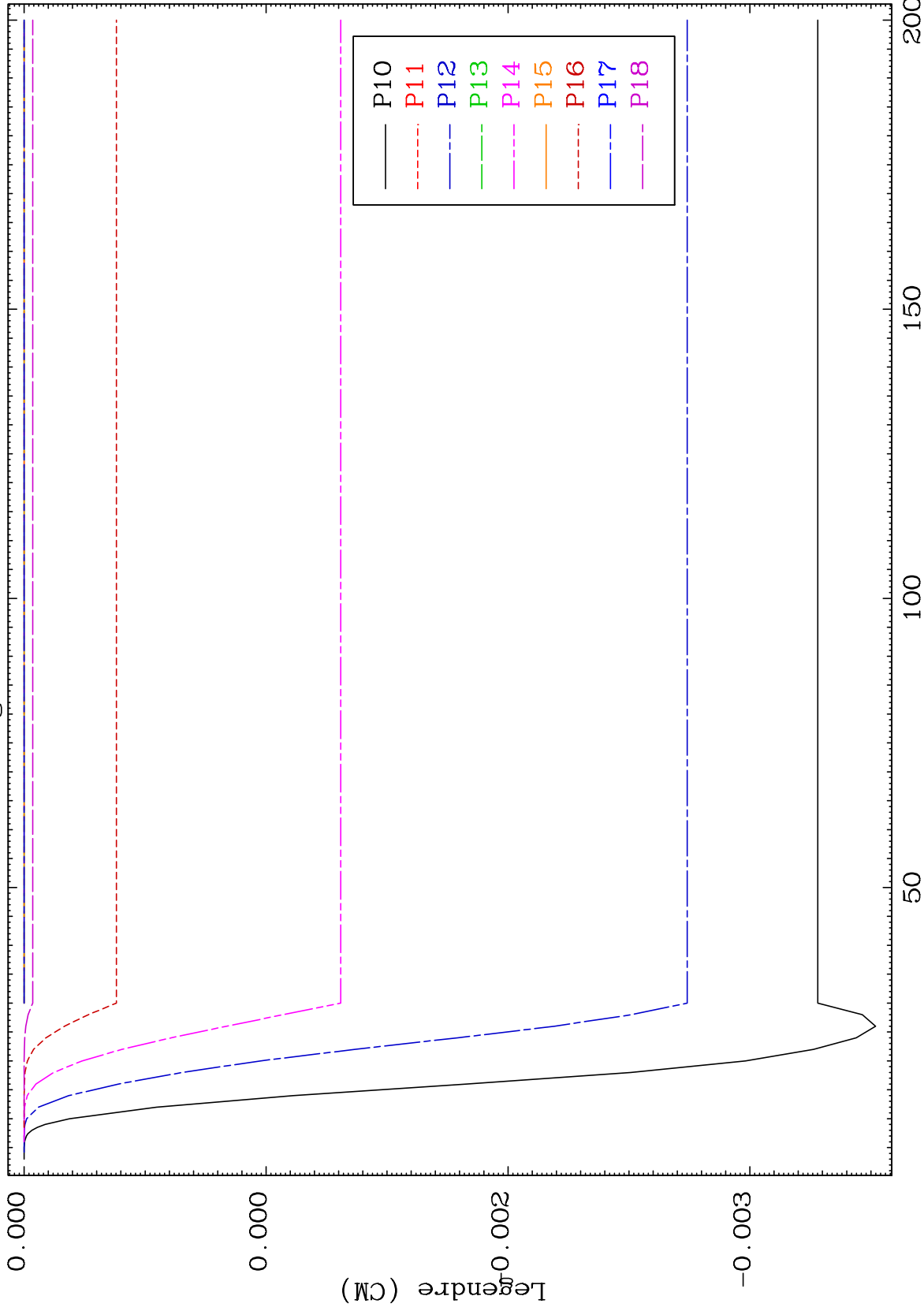
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 74 (n,n') Level
Legendre Coefficients

54-Xe-118



108

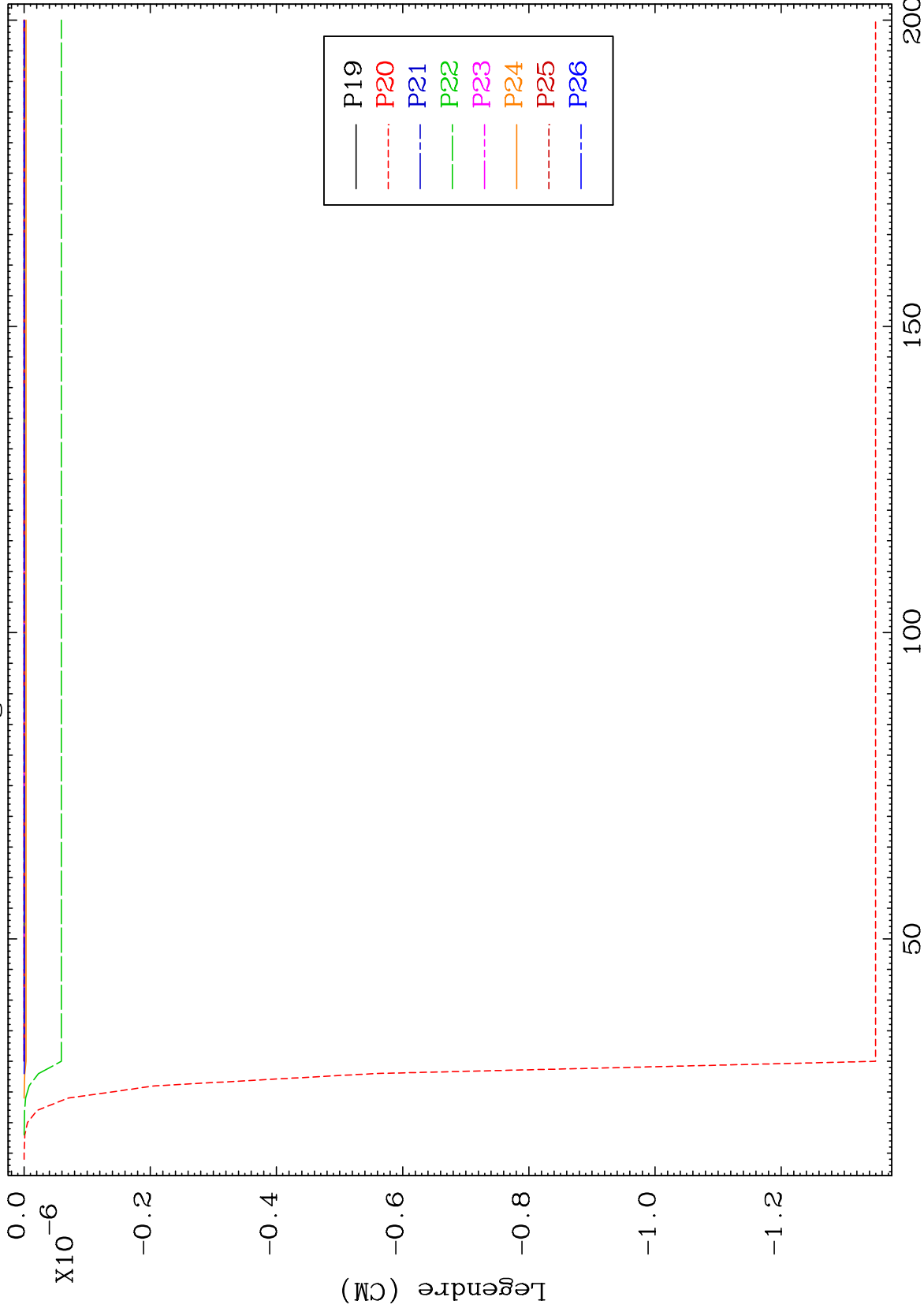
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 74 (n,n') Level
Legendre Coefficients

54-Xe-118



109

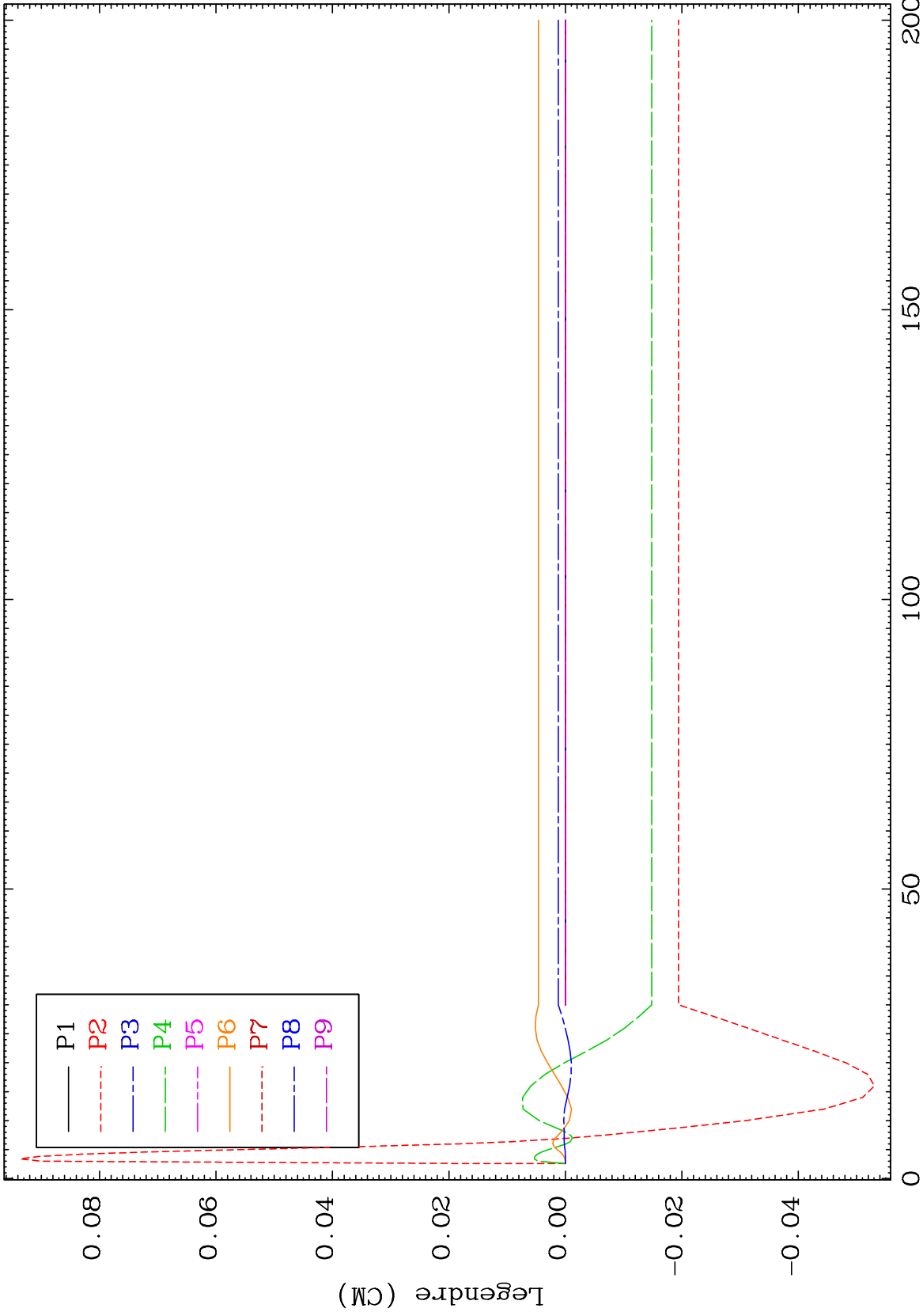
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-118



110

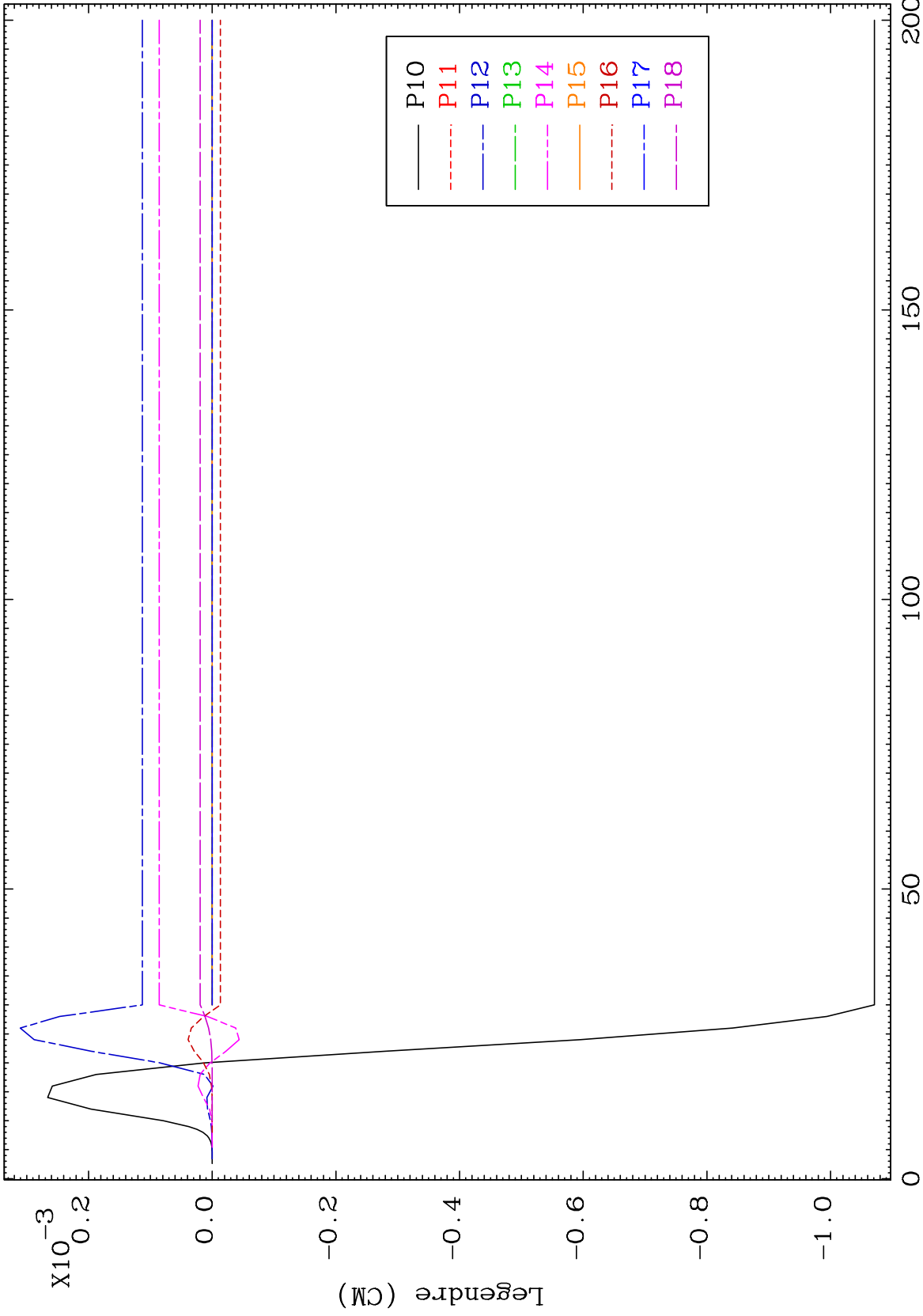
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-118



111

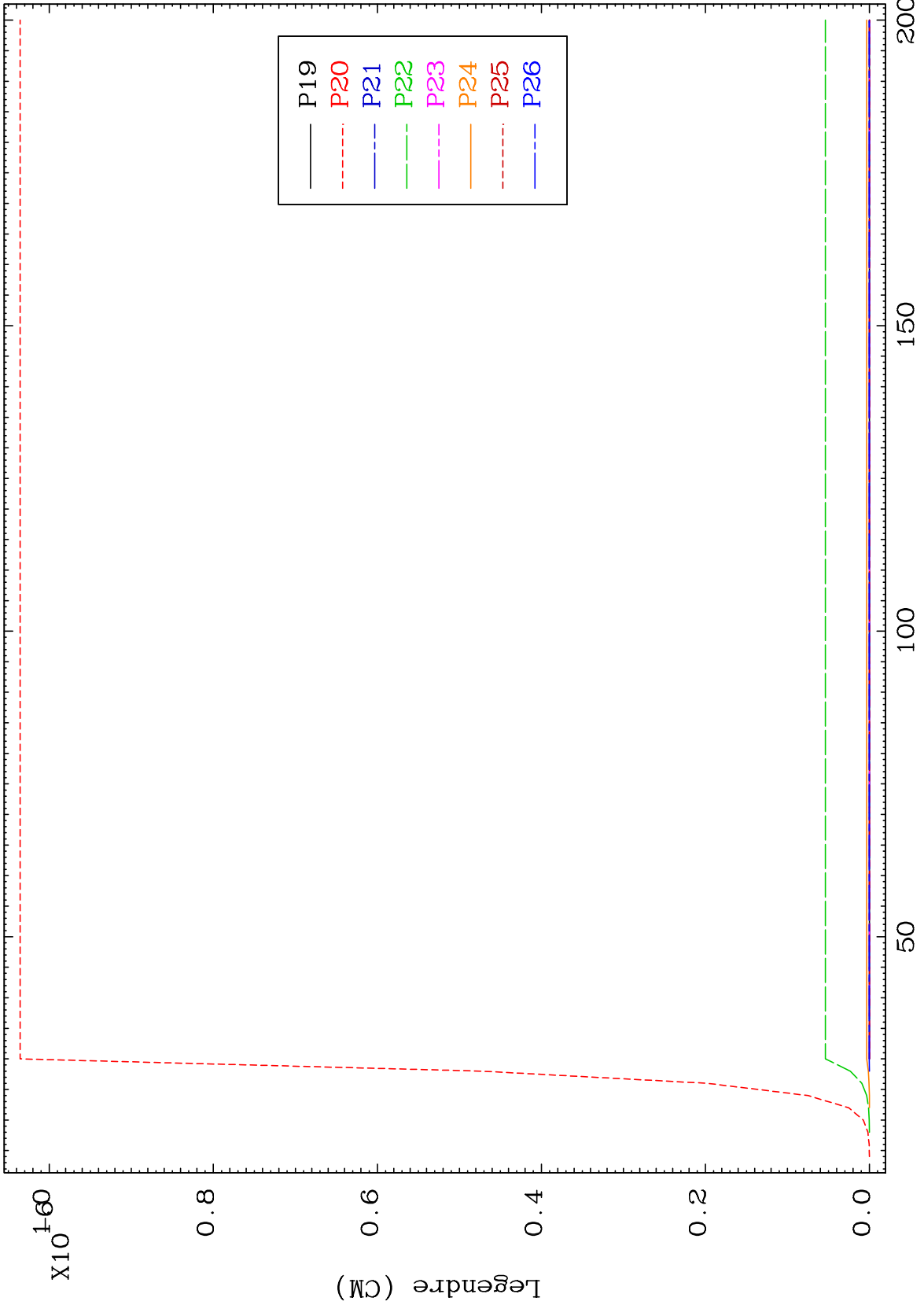
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 75 (n,n') Level
Legendre Coefficients

54-Xe-118



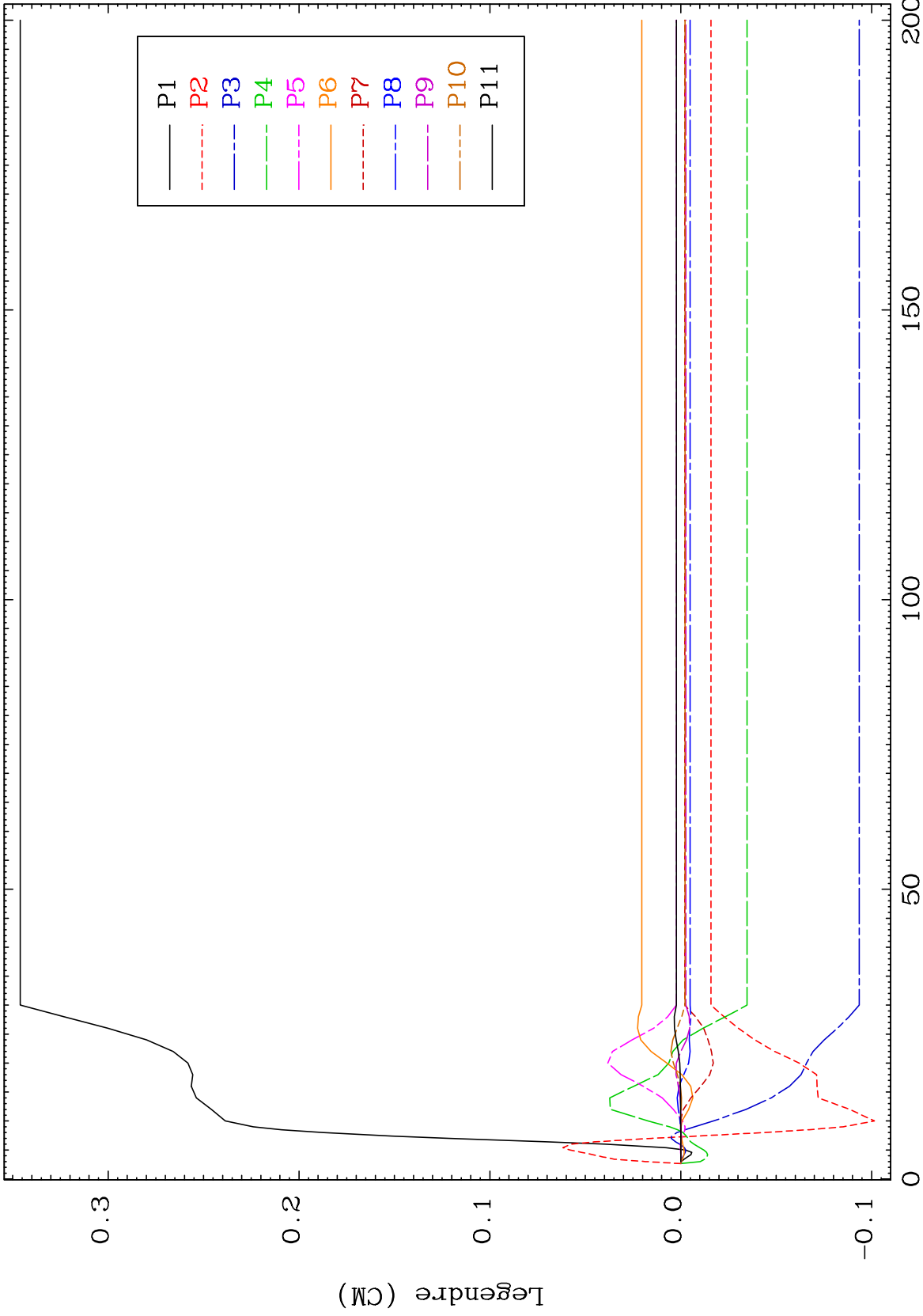
112

54-Xe-118

MAT 5407

MT= 76 (n,n') Level
Legendre Coefficients

54-Xe-118



113

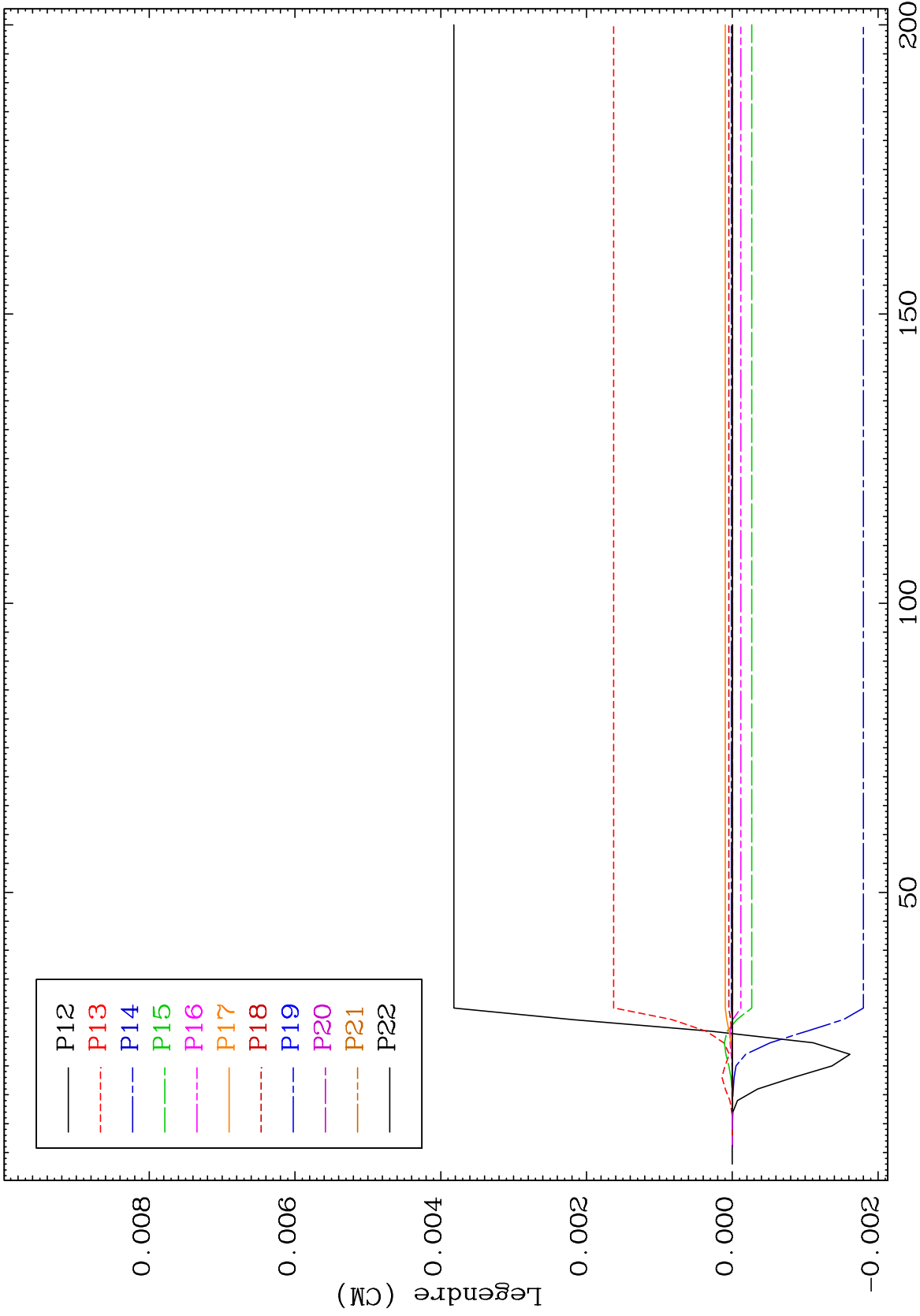
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 76 (n,n') Level
Legendre Coefficients

54-Xe-118



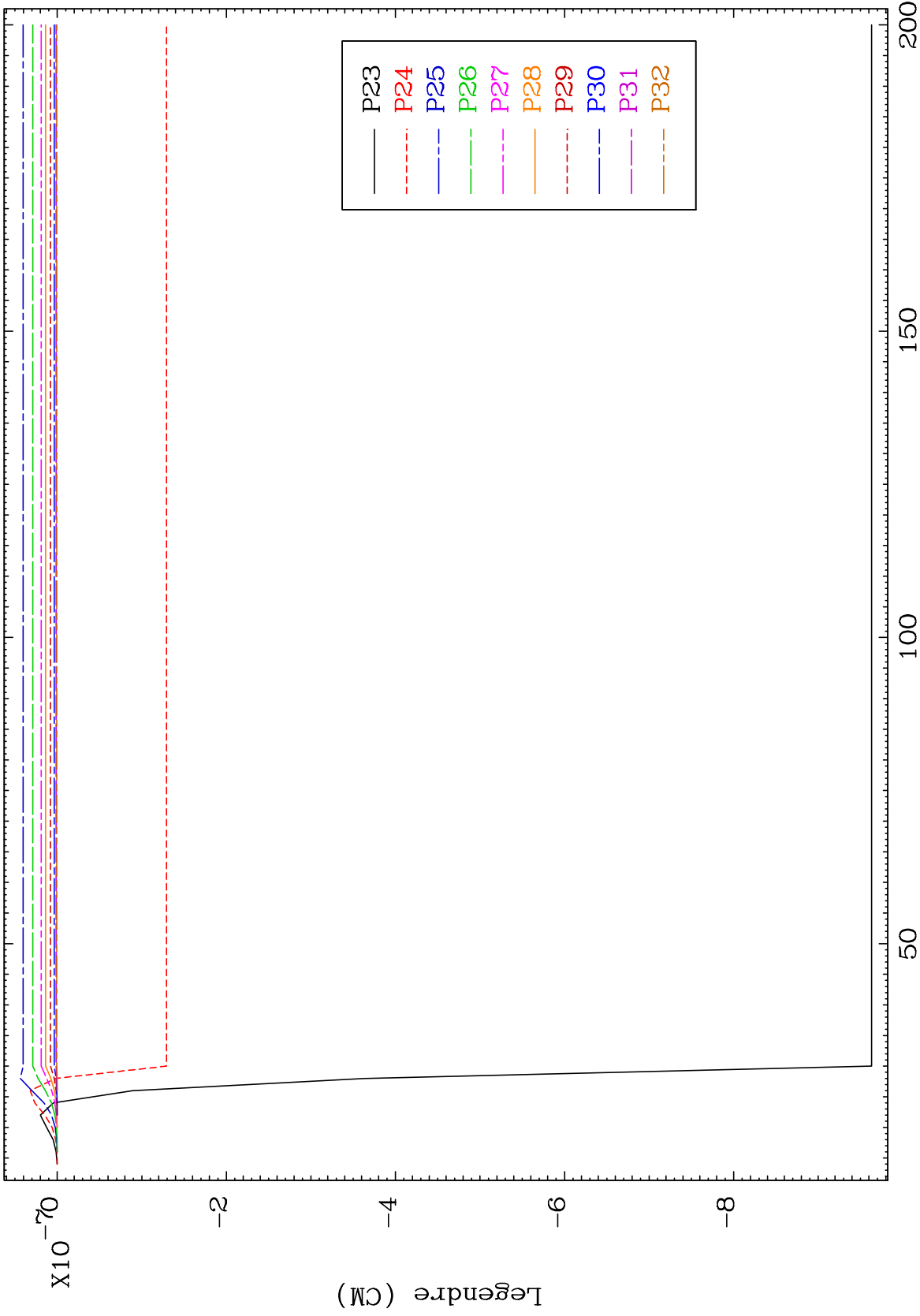
114

54-Xe-118

MAT 5407

MT= 76 (n,n') Level
Legendre Coefficients

54-Xe-118



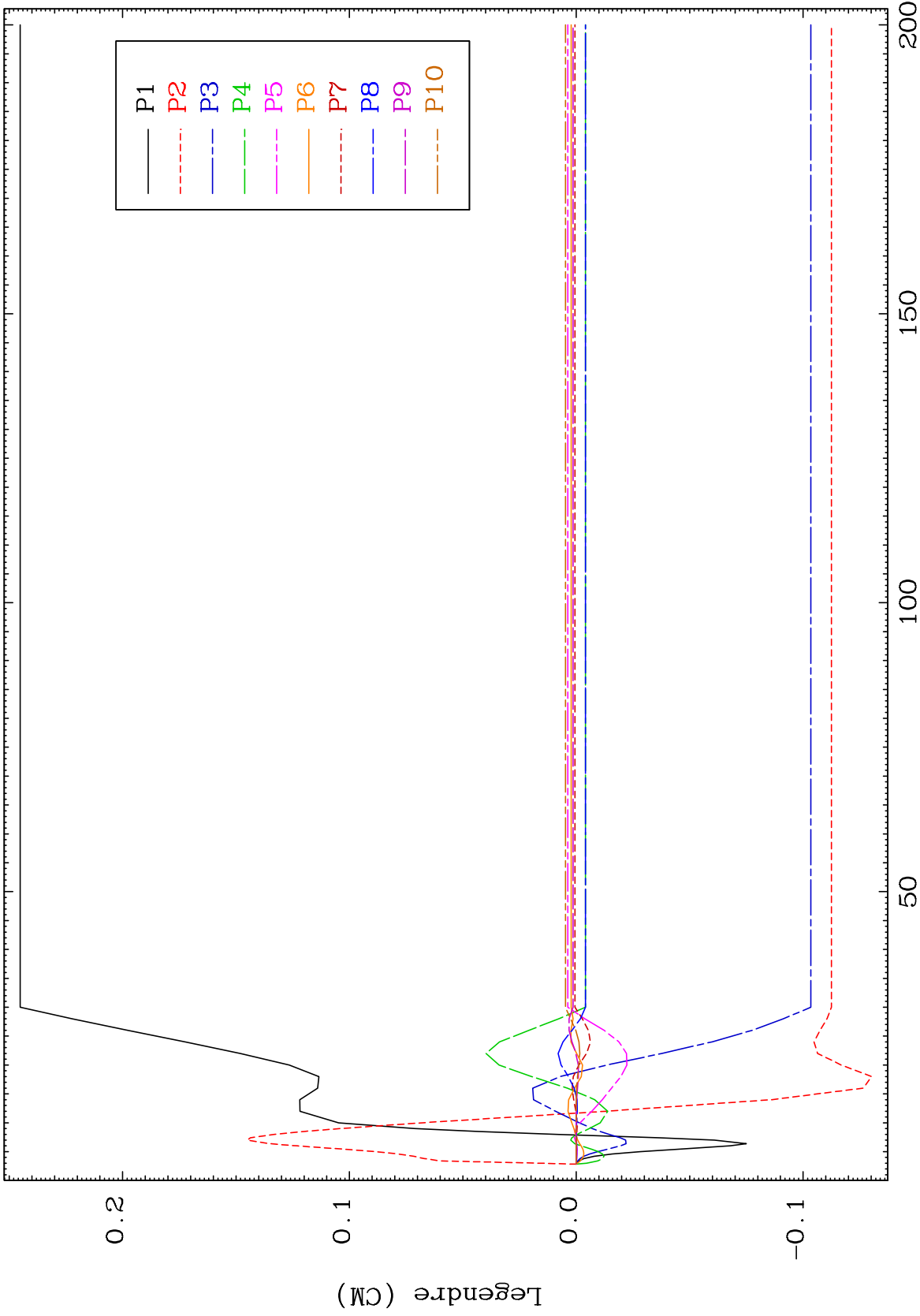
115

54-Xe-118

MAT 5407

MT= 77 (n,n') Level
Legendre Coefficients

54-Xe-118



116

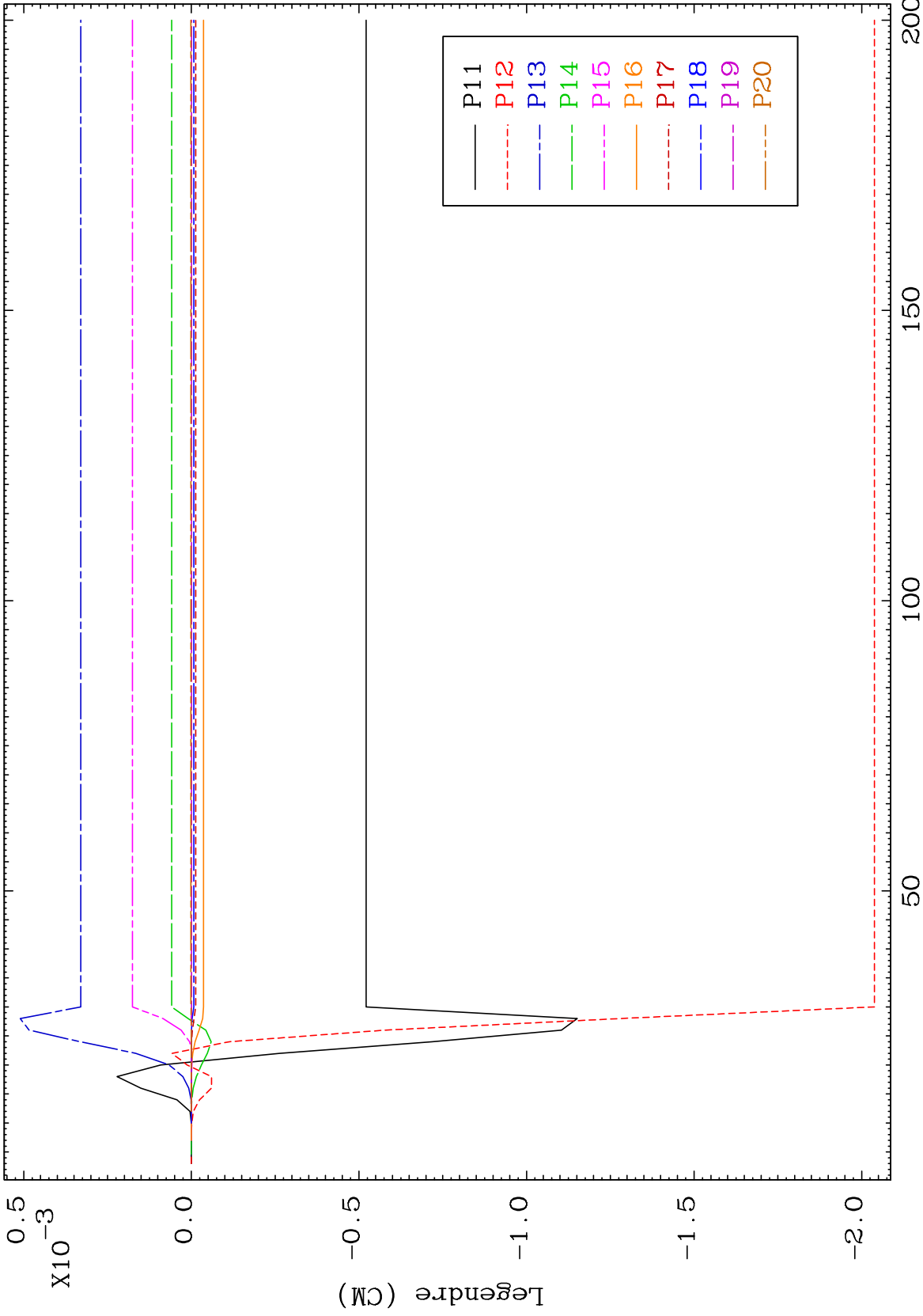
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 77 (n,n') Level
Legendre Coefficients

54-Xe-118



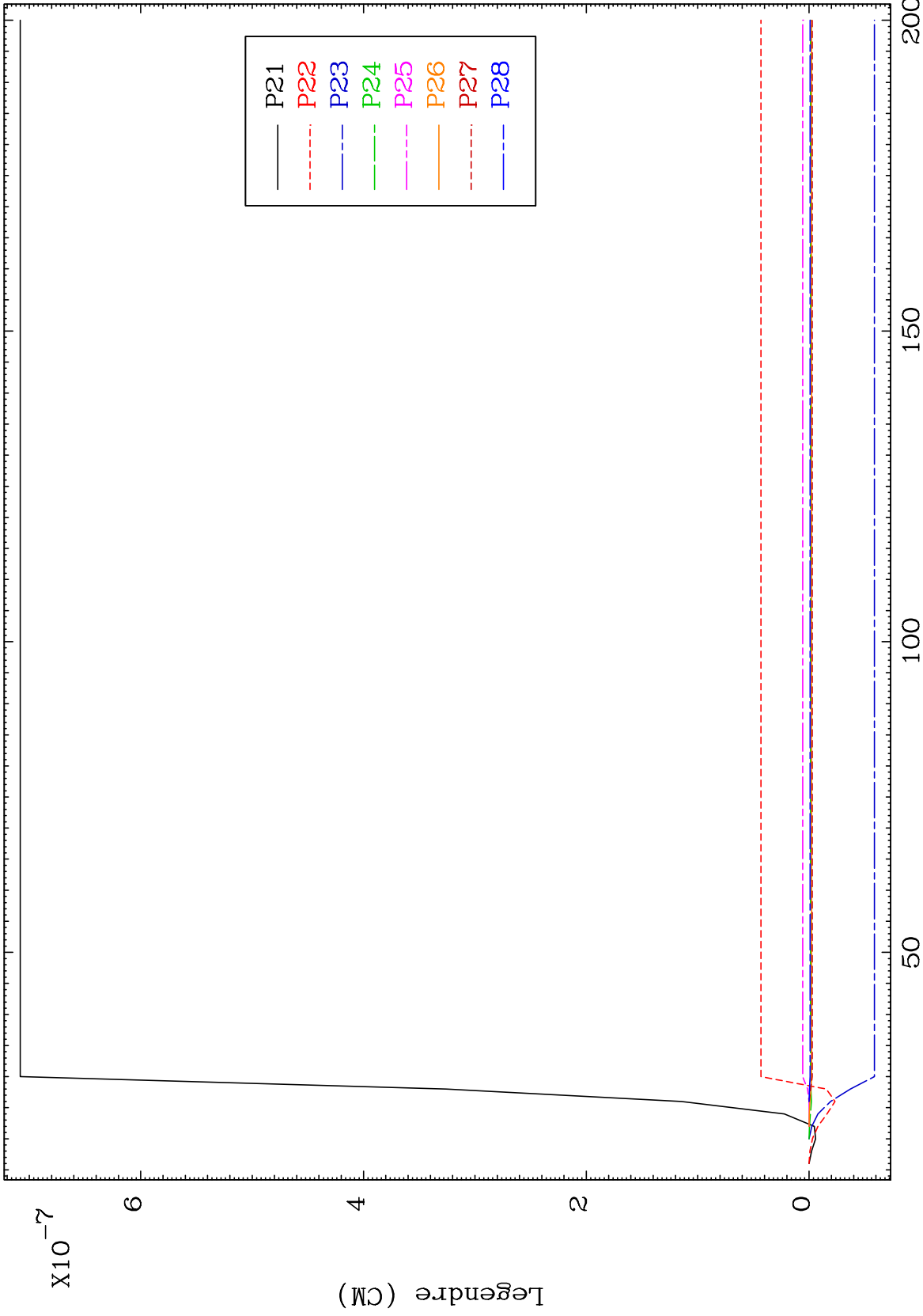
117

54-Xe-118

MAT 5407

MT= 77 (n,n') Level
Legendre Coefficients

54-Xe-118



118

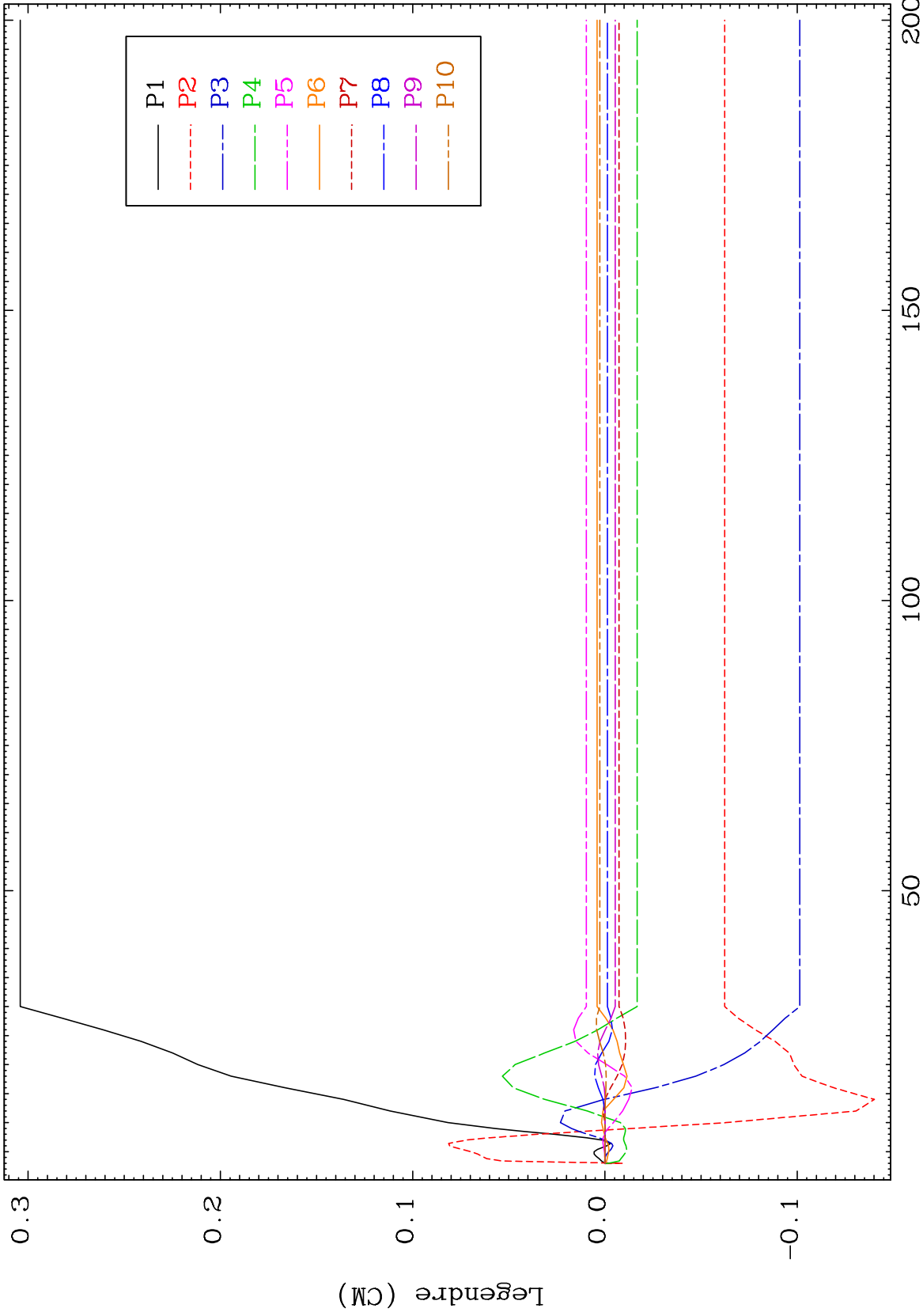
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-118



119

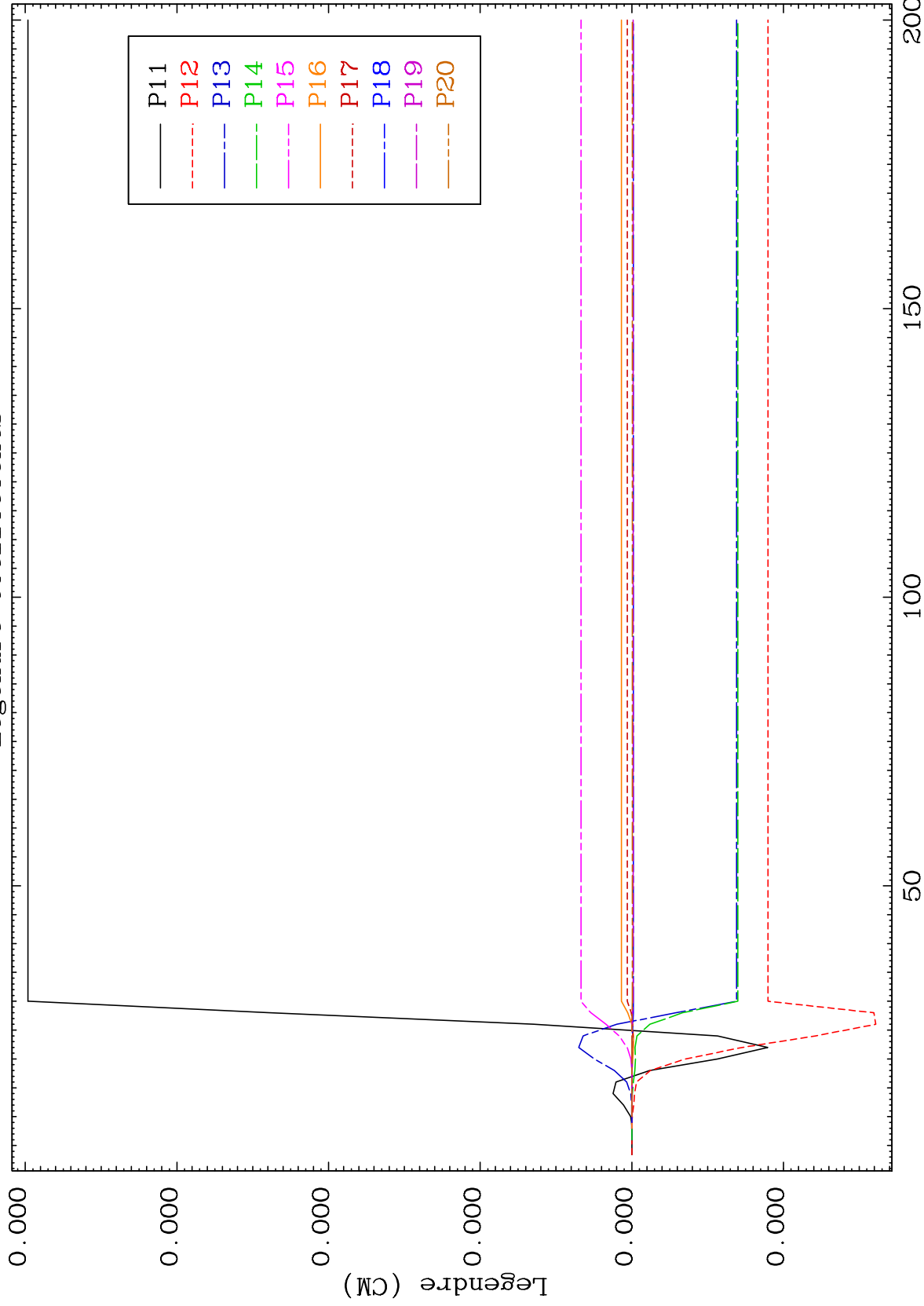
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-118



120

Incident Energy (MeV)

50

100

150

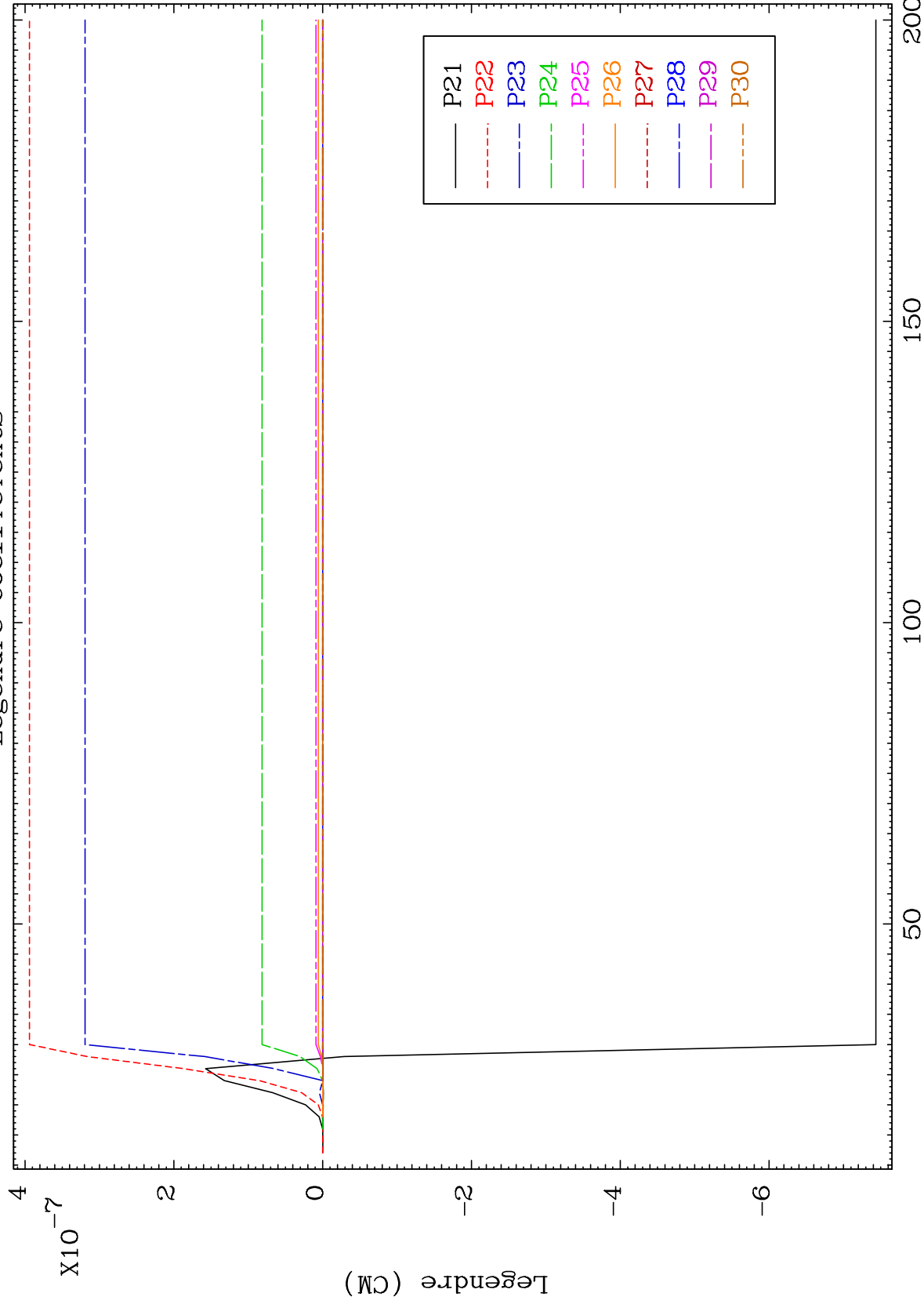
200

54-Xe-118

MAT 5407

MT= 78 (n,n') Level
Legendre Coefficients

54-Xe-118



121

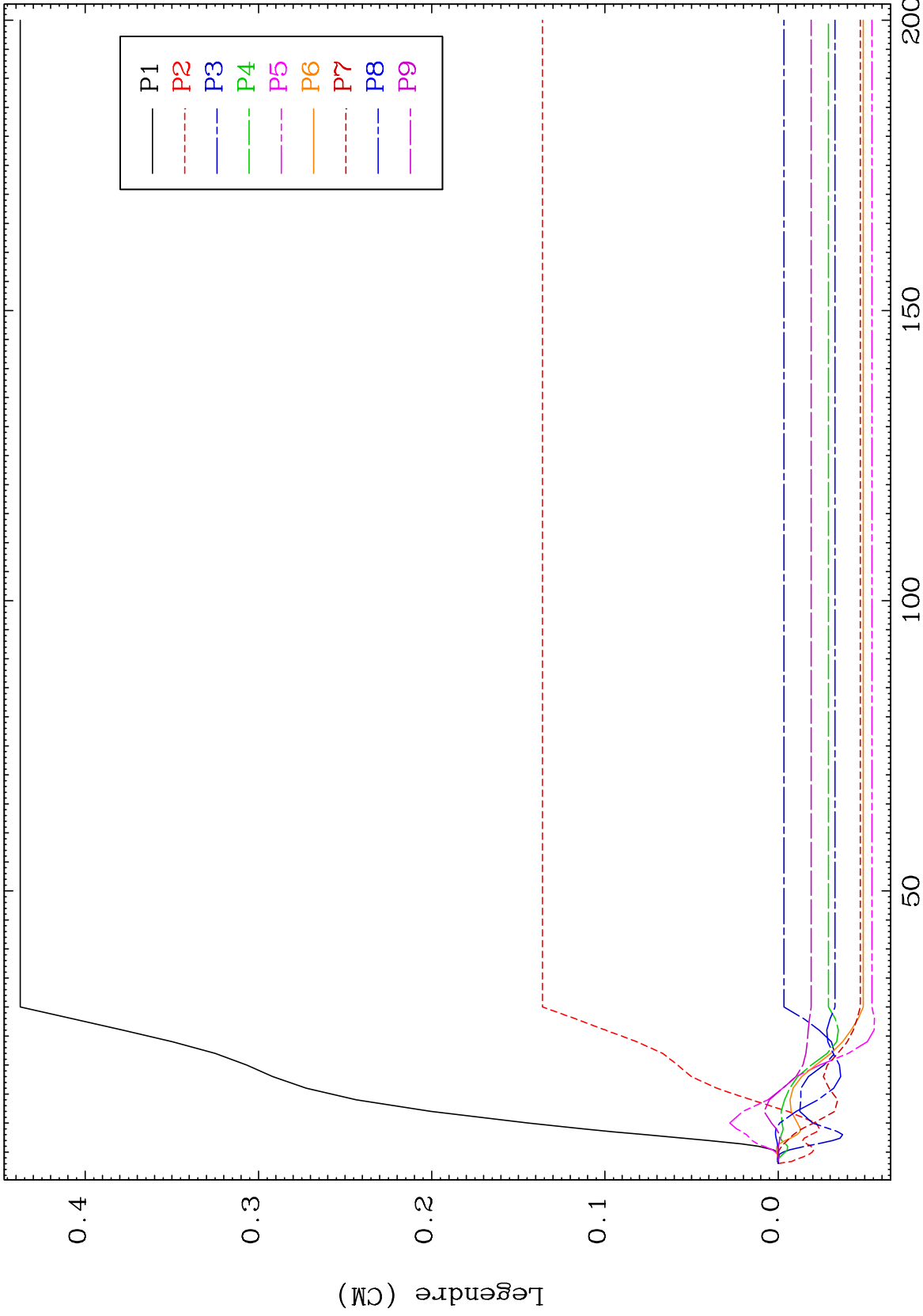
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 79 (n,n') Level
Legendre Coefficients

54-Xe-118



122

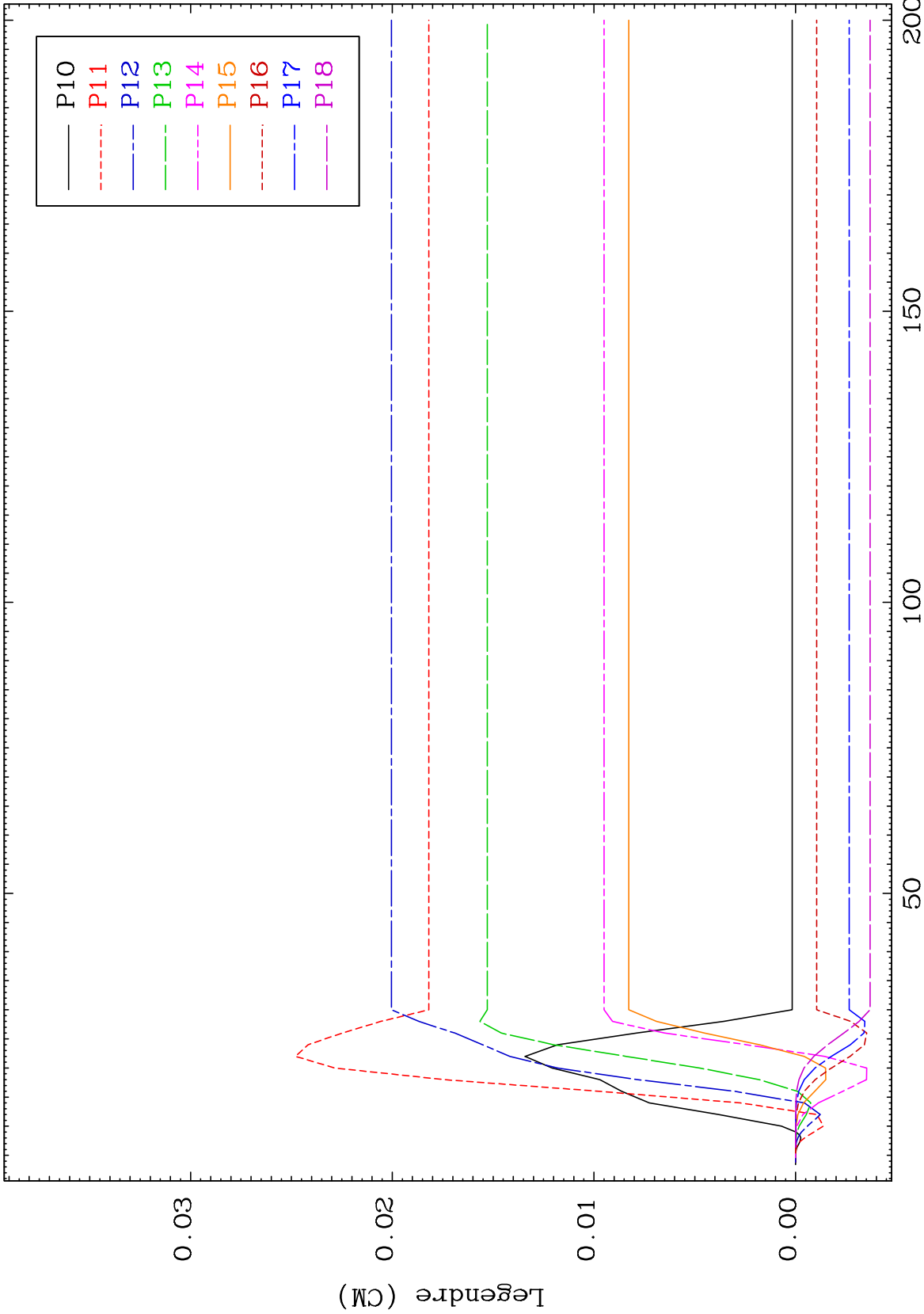
Incident Energy (MeV)

54-Xe-118

MAT 5407

MT= 79 (n,n') Level
Legendre Coefficients

54-Xe-118

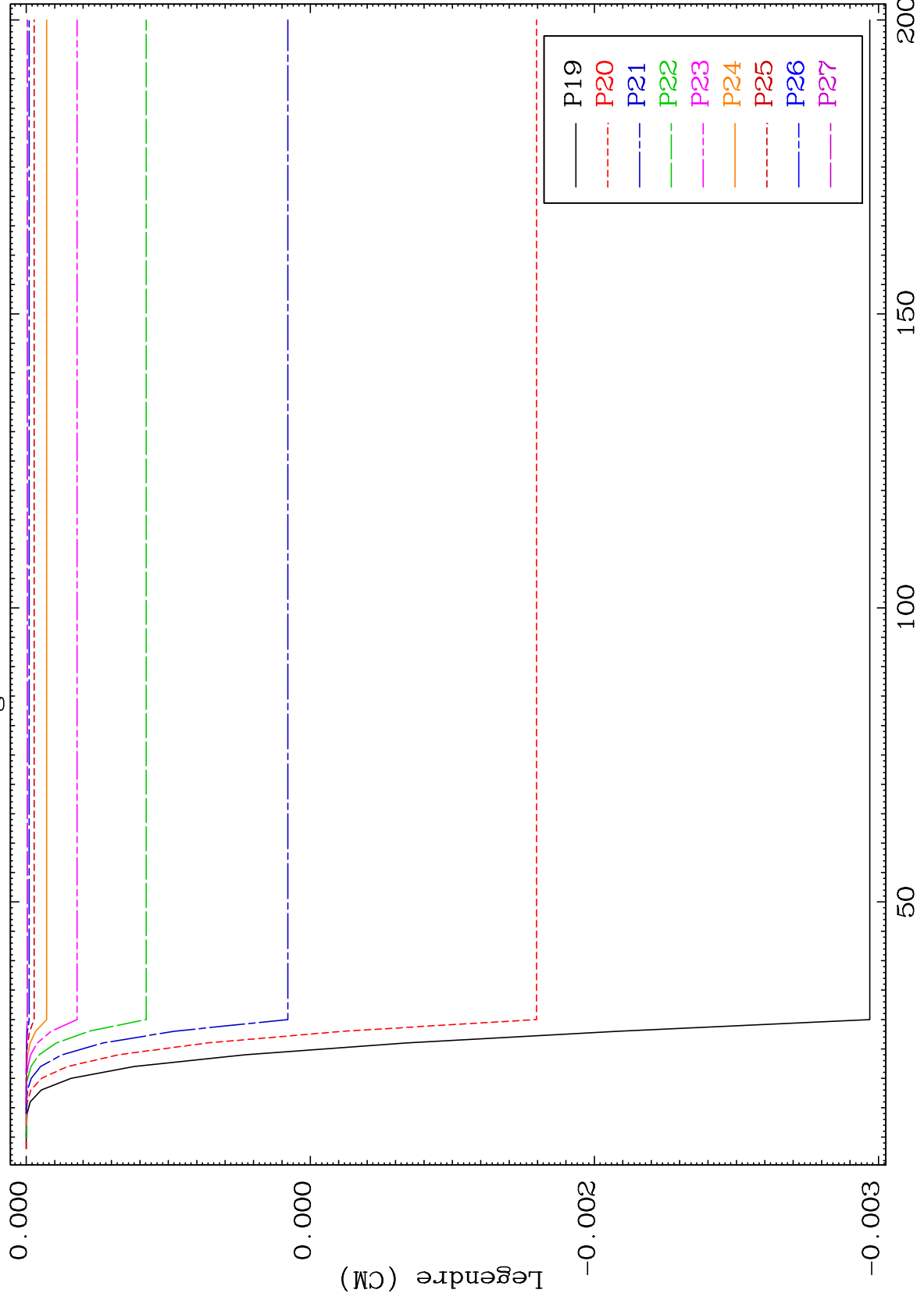


123

Incident Energy (MeV)

54-Xe-118

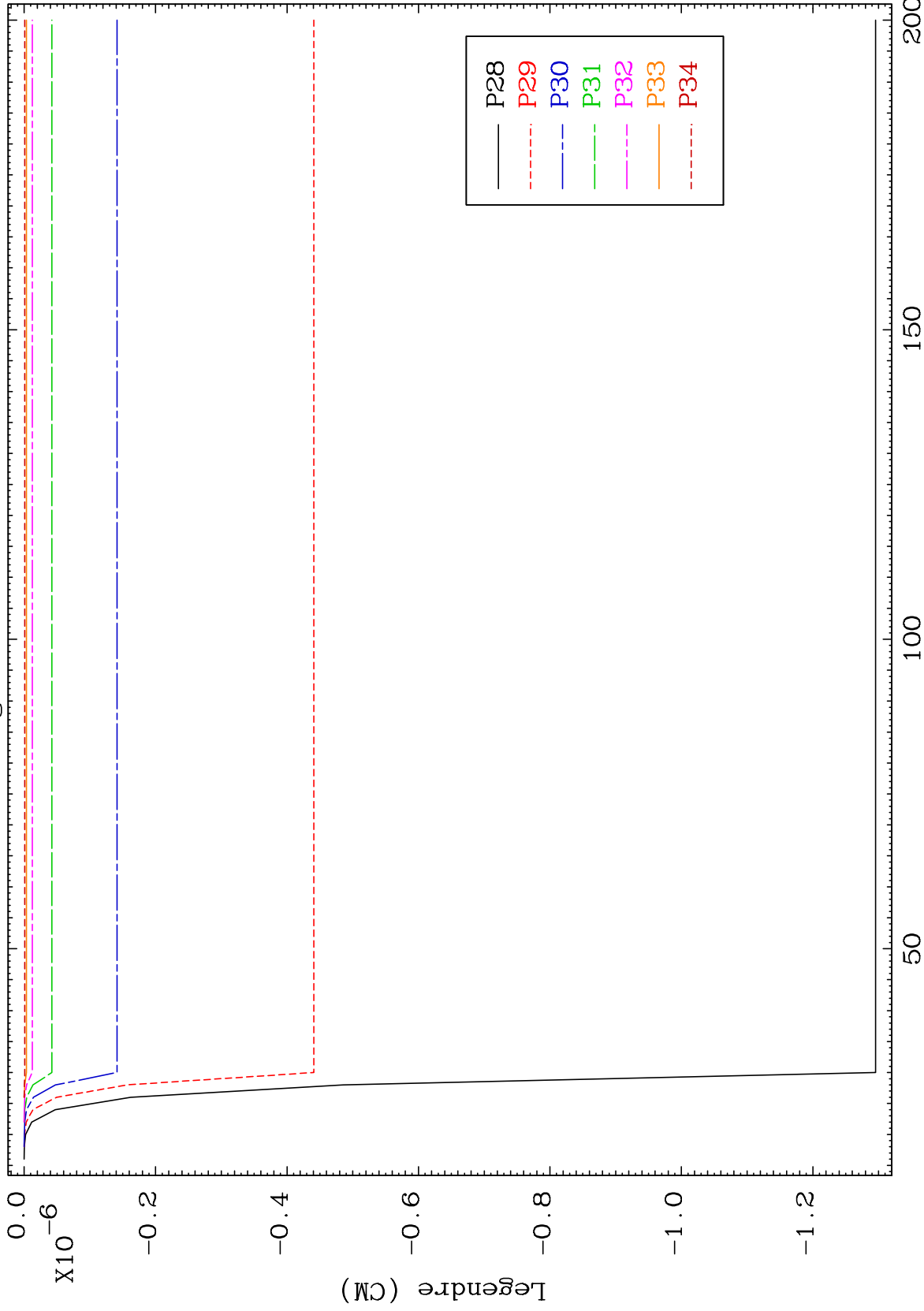
MAT 5407 MT= 79 (n,n') Level Legendre Coefficients 54-Xe-118



MAT 5407

MT= 79 (n,n') Level
Legendre Coefficients

54-Xe-118



125

Incident Energy (MeV)

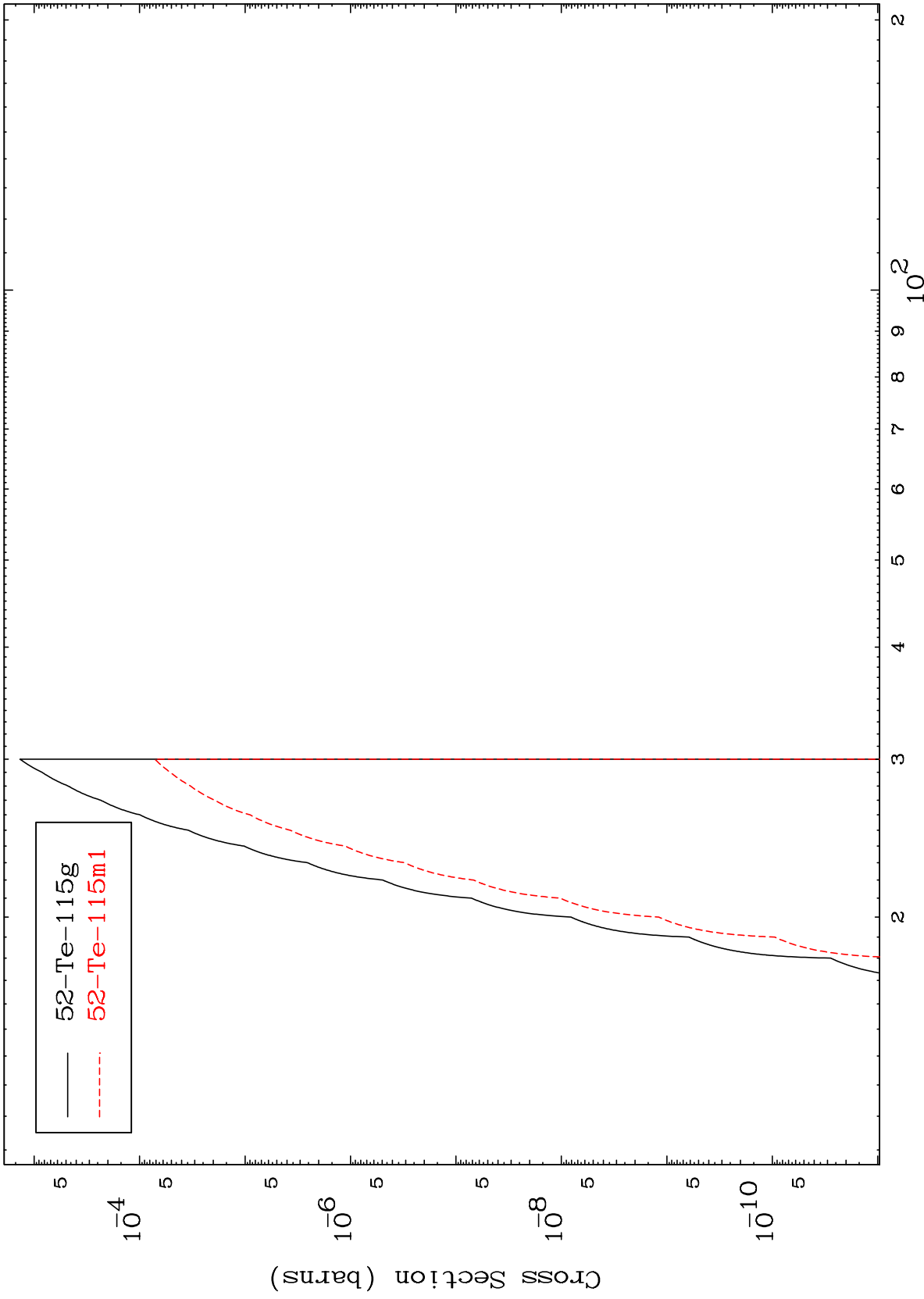
54-Xe-118

MAT 5407

(n, n') He-3

54-Xe-118

Radionuclide Production Cross Section



126

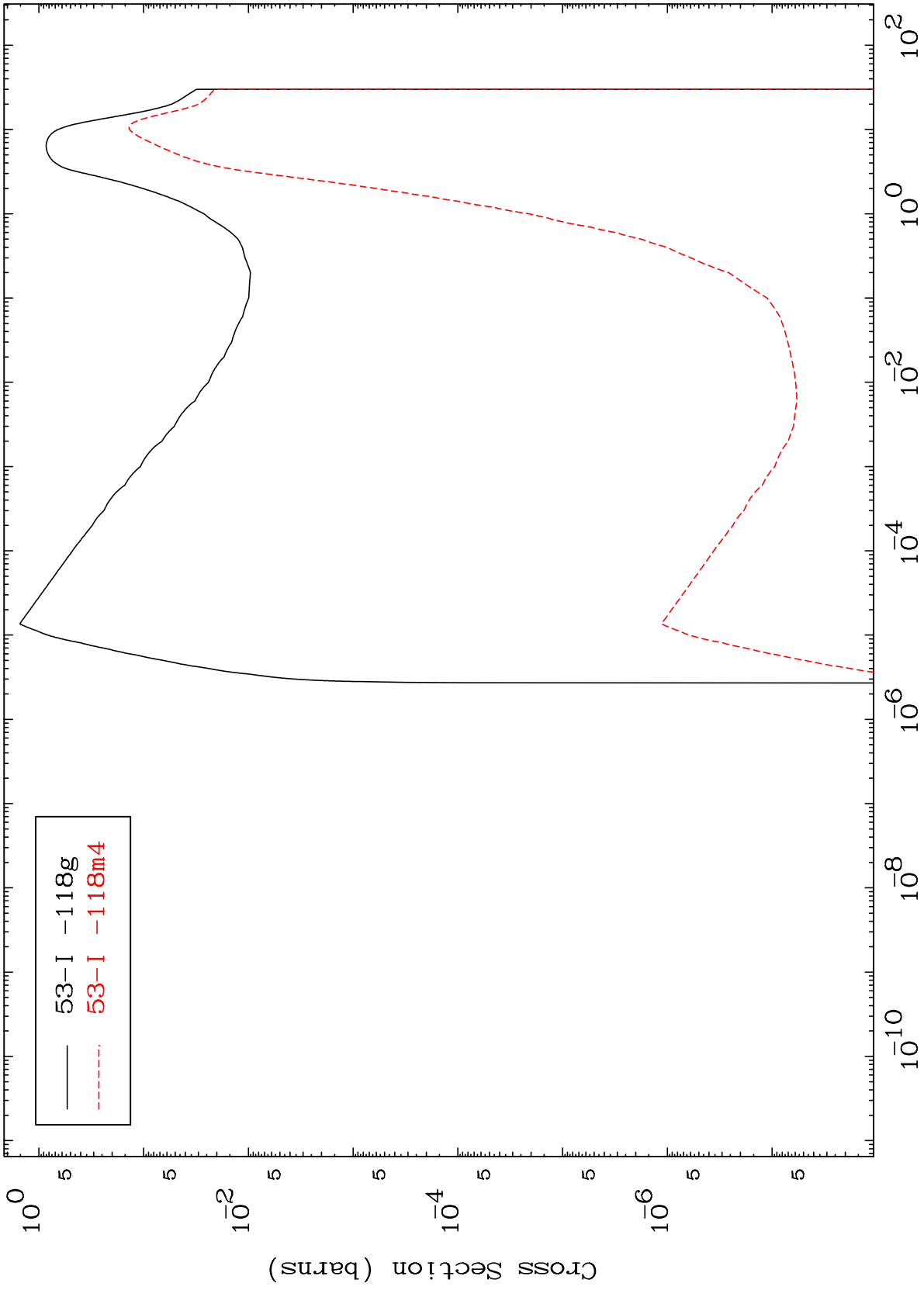
Incident Energy (MeV)

54-Xe-118

MAT 5407

54-Xe-118

(n,p)
Radionuclide Production Cross Section



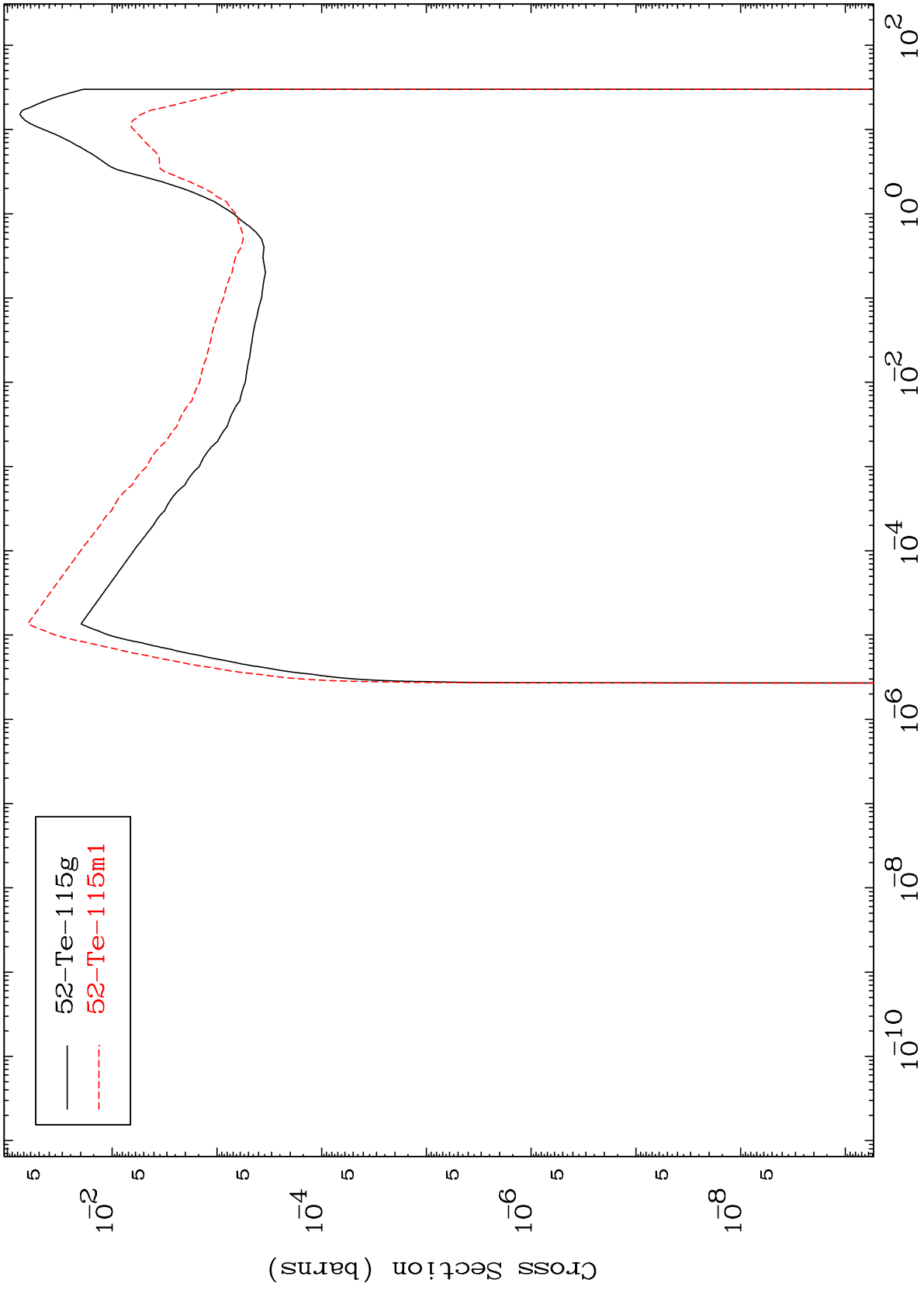
127

54-Xe-118

MAT 5407

54-Xe-118

Radionuclide Production Cross Section
(n, α)



128

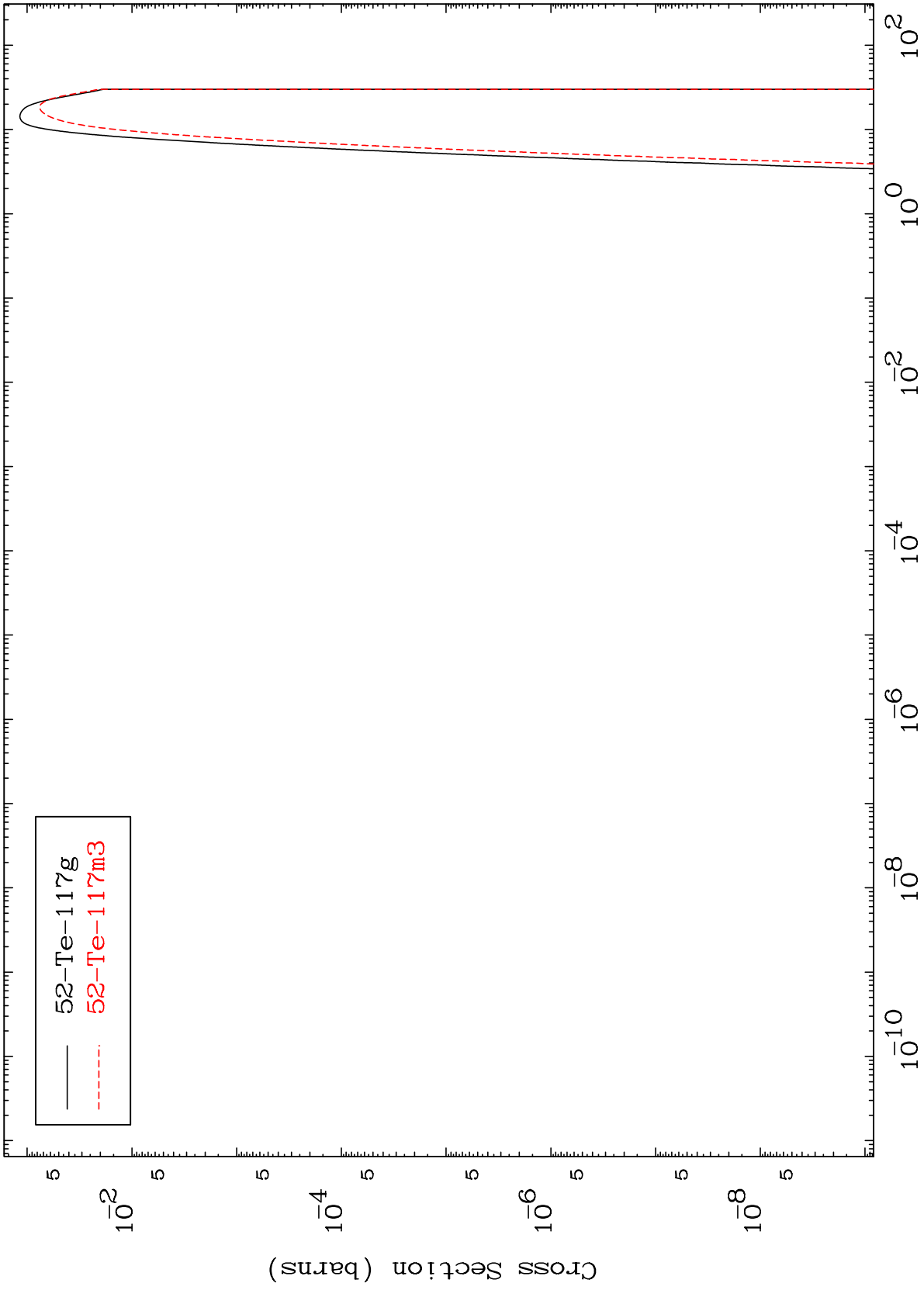
54-Xe-118

MAT 5407

(n,2p)

54-Xe-118

Radionuclide Production Cross Section



129

Incident Energy (MeV)

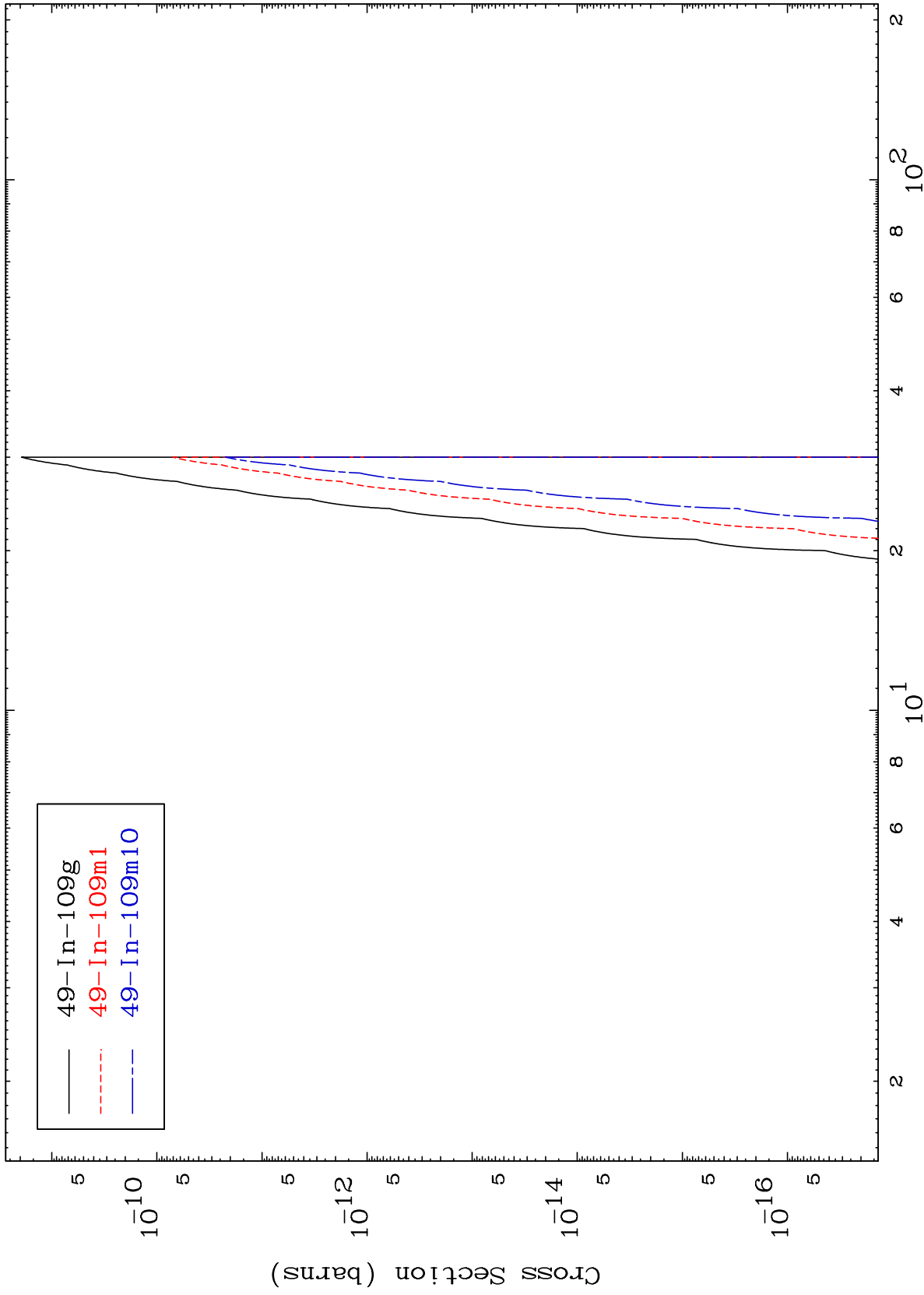
54-Xe-118

MAT 5407

(n,d) 2α

54-Xe-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

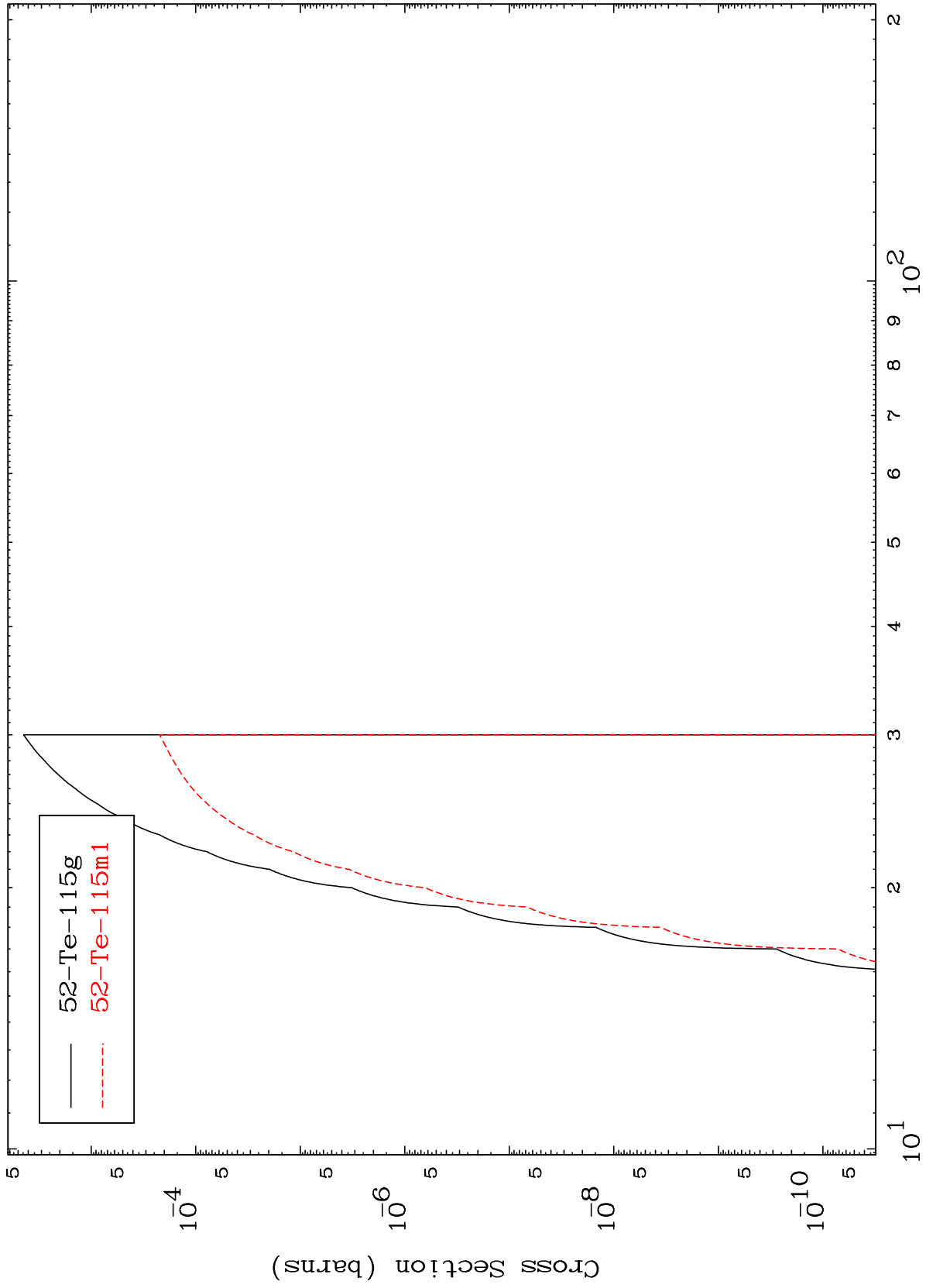
54-Xe-118

MAT 5407

(n,p) t

54-Xe-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

54-Xe-118